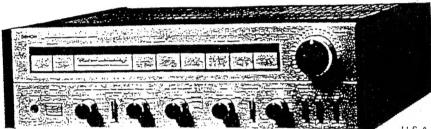
# DENON

Hi-Fi Pre-Main Amplifier

### SERVICE MANUAL

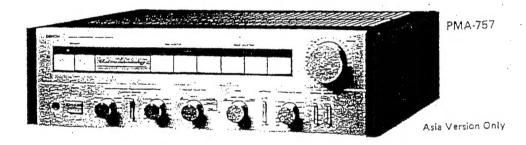
### MODEL PIMA-777/757

SOLID STATE PRE MAIN AMPLIFIER



PMA-777

U.S.A. Version Only



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NIPPON COLUMBIA CO. LTD



#### CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER SERVICEABLE PARTS INSIDE. REFER SERVIC-ING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

#### WARNING:

#### 1. Component parts

Parts marked with 🔥 and/or shading in this service manual have special characteristics important to safety. Be sure to use the specified parts for replacement.

#### 2. Leakage current

Before returning the appliance to customer, test the leakage current when the power plug is connected. Use a calibrated (with an error of not more than 5%) leakage current tester and measure the leakage current from any exposed metal to the earth ground. Reverse the power plug polarity and test the above again.

Any current measured MUST NOT EXCEED 0.5 miliamps. Corrective measure must be taken if it exceeds the limit

#### **SPECIFICATIONS**

PMA-777

#### POWER AMPLIFIER SECTION

Rated Output Power:

Both channel drives (TUNER - SP OUT) 100 Watts minimum rms per channel (8 ohm Load) with less than 0.02% total harmonic distortion from 20 Hz to 20 kHz

120 W + 120 W (4 ohm Load) 20 Hz to 20 kHz at T.H.D 0.05%

(for U.S.A.) 1 kHz (4 ohm Load) 150 W + 150 W

(DIN, T.H.D 1%) 1 kHz (4 ohm Load) 30 W + 30 W (IEC. Subject to change by temperature test.)

(for outside U.S.A.)

Total Harmonic Distortion:

0.003% 120 Hz - 20 kHz at -3 dB rated output 8 ohm Load)

0.02% (20 Hz - 20 kHz at rated output

8 ohm Load) (U.S.A.)

Intermodulation Distortion:

Below 7 kHz/60 Hz: 1/4 0.002% (at amplitude output equivalent to rated

5 Hz - 80 kHz (IHF T.H.D 0.03%)

Output Bandwidth: Transmission Characteristics:

1 Hz - 250 kHz +0 d8 (at 1 W output)

Input Sensitivity: Input Impedance:

Output Impedance: **Output Terminals:** 

0.08 ohm (1 kHz) Speaker: A or B Load 4 - 16 ohm

A + B Load 8 - 16 ohm Headphone/Stereo headphone (390 mW/ 8 ohm)

EQUALIZER AMPLIFIER SECTION

Equalizer Amplifier Output:

Maximum Output: 12 V (at 47 k ohm Load)

150 mV

47 k ohm

Rated Output: 150 mV Total harmonic distortion: less than 0.002% (at 1 kHz, 8 V output)

Input Sensitivity/Input

Impedance:

RIAA Deviation:

PHONO-1, 2 MM 2,5 mV 47 k ohm MC 200 uV 100 ohm

TUNER 150 mV 47 k ohm DAD, VIDEO/AUX, TAPE 150 mV 47 k ohm

PHONO-1, 2 MM within ±0.2 dB (20 Hz - 100 kHz)

within ±0.2 dB (20 Hz - 100 kHz) OVERALL CHARACTERISTICS

SN Ratio

÷

(IHFA Network):

PHONO-1, 2

88 dB (input terminals shortcircuited for 2.5 mV input) 72 dB linout terminals shortcircuited for 250 µV input)

TUNER, TAPE, DAD, VIDEO/AUX: 110 dB (input terminals short-

circuited)

Tone Control Adjustable Range:

Filtering Characteristics:

100 Hz ±8 dB RASS TREBLE 10 kHz ±8 dB SUBSONIC 20 Hz, 6 dB/oct

Loudness Characteristics: Low frequency 100 Hz + 7 dB High frequency 10 kHz + 6 dB

AC OUTLET:

(For U.S.A., Canada and Asia)

SWITCHED x 2, 100 W (Total) UNSWITCHED x 1, 250 W

PMA-757

POWER AMPLIFIER SECTION

Rated Output Power:

Both channel drives (TUNER - SP OUT) 80 Watts minimum rms per channel (8 ohm Load) with less than 0.02% total harmonic distortion from 20 Hz to 20 kHz

100 W + 100 W (4 ohm Load) 20 Hz to 20 kHz at T.H.D. 0.05% (for U.S.A.)

1 kHz (4 ohm Load) 110 W + 110 W

(DIN, T.H.D 1%)

1 kHz (4 ohm Load) 30 W + 30 W (IEC, Subject to change by temperature test }

(for outside U.S.A. and Canada)

Total Harmonic

Distortion:

0.005% (20 Hz - 20 kHz at -3 dB rated output 8 ohms Load) 0.02% (20 Hz -20 kHz at rated output 8 ohm Load)

(U.S.A.)

Intermodulation Distortion:

Below 7 kHz/60 Hz : 1/4 0.003% (at

amplitude output equivalent to rated outout) 5 Hz - 80 kHz (IHF T.H.D 0.03%)

Output Bandwidth: Transmission

1 Hz - 200 kHz +0 dB (at 1 W output)

Characteristics: Input Sensitivity: 150 mV Input Impedance:

47 k ohm

Output Impedance: 0.08 ohm (1 kHz) Output Terminals: Speaker: A or B Load 4 - 16 ohm

A + B Load 8 - 16 ohm

Heapdhone/Stereo headphone (310 mW/ 8 ohm)

EQUALIZER AMPLIFIER SECTION Equalizer Amplifier

Output: Maximum Output: 12 V (at 47 k ohm

Load) Rated Output: 150 mV

Total harmonic distortion: less than 0.002% (at 1 kHz, 8 V output)

Input Sensitivity/Input

Impedance:

PHONO MM 25 mV 47 k ohm 200 µV 100 ohm 150 mV 47 k ohm

DAD, VIDEO/AUX, TAPE 150 mV 47 k ohm DIMENSIONS:

POWER SOURCE:

POWER CONSUMPTION: 245 W (U.S.A.); 250 W (IEC); 220 W (Multiple) 800 W Maximum Output

220/240 V, 50/60Hz (Multiple)

Germany and France AC 220 V. 50 Hz.

U.S.A. AC 120 V 60 Hz: Asia 110/120/

U.K. and Australia AC 240 V, 50 Hz;:

470 mm (18-1/2")W x 136 mm (5-11/32")H x 413 mm (16-1/4")D

(with Wood Board) 434 mm (17-5/64")W x 136 mm

(5-11/32")H x 413 mm (16-1/4")D (without Wood Board)

fincluding rubber feet, control knobs. and terminals )

12.5 kg (27 lbs 9 oz) (with Wood Board) 11.5 kg (25 lbs 6 oz) (without Wood

Board)

Design and specifications are subject to change without prior notice.

RIAA Deviation: PHONO MC within ±0.3 dB

(20 Hz - 100 kHz)

OVERALL CHARACTERISTICS

SN Ratio

WEIGHT:

(IHFA Network):

87 dB (input terminals shortcircuited for 2.5 mV input)

70 dB (input terminals shortcircuited for 250 µV input)

TUNEH, TAPE, DAD, VIDEO/AUX: 110 dB (input terminals short-

Tone Control Adjustable

Range:

BASS 100 Hz ±8 dB TREBLE 10 kHz ±8 dB

circuited)

Filtering Characteristics: SUBSONIC 20 Hz, 6 dB/oct Loudness Characteristics:

Low frequency 100 Hz + 7 dB High frequency 10 kHz + 6 dB

AC OUTLET: (For U.S.A., Canada and

Acial

POWER SOURCE:

DIMENSIONS:

WEIGHT:

SWITCHED x 2, 100 W (Total) UNSWITCHED x 1, 250 W

Germany and France AC 220 V. 50 Hz;

U.K. and Australia AC 240 V, 50 Hz; U.S.A. and Canada AC 120 V, 60 Hz; Asia 110/120/220/240 V, 50/60 Hz

(Multiple) POWER CONSUMPTION: 215 W (U.S.A.); 500 VA (Canada);

240 W (IEC); 190 W (Multiple); 650 W Maximum Outour

470 mm (18-1/2")W x 136 mm

(5-11/32")H x 413 mm (16-1/4")D (with Wood Board)

434 mm (17-5/64")W x 136 mm

(5-11/32")H x 413 mm (16-1/4"10 (without Wood Board)

lincluding rubber feet, control knobs. and terminals.)

13 kg (28 lbs 11 oz) (with Wood Board)

12 kg (26 lbs 7 oz) (without Wood Board)

10.5 kg (23 lbs 2 oz) (without Wood

Board) (For U.S.A. & Canada)

Design and specifications are subject to change without prior notice.

NOTE: The following code correspond to the appropriate models.

E2 for Europe, E1 for Asia, E3 for U.S.A., EK for U.K., EA for Australia and EC for Canada. This Service Manual is prepared based on E2 Gold Version.

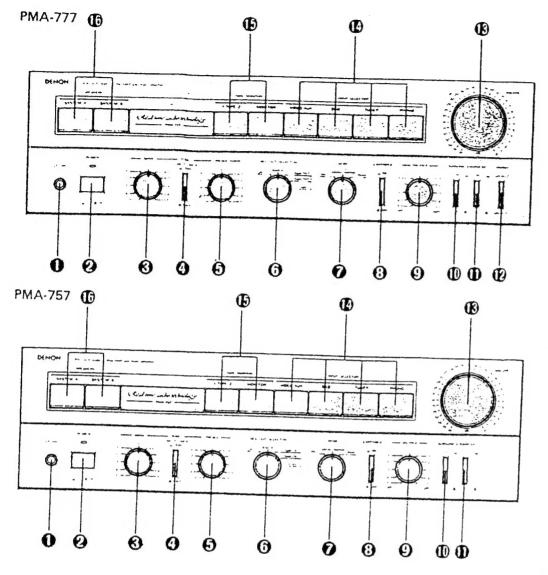
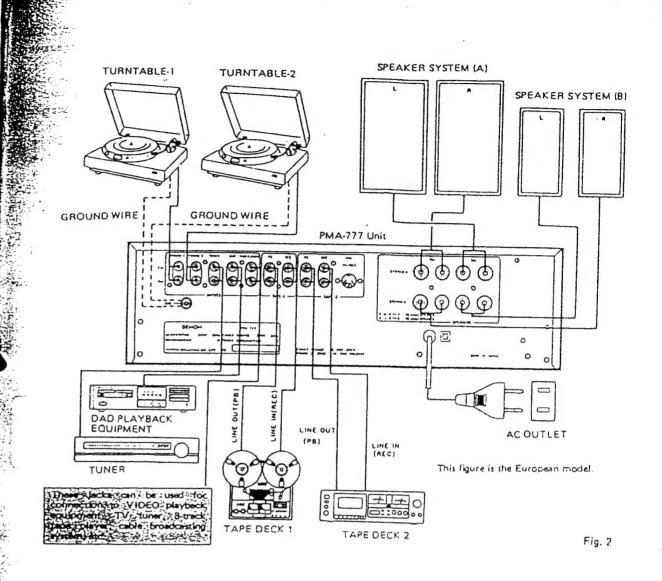


Fig. 1

- phones (Headphone Jack)
- POWER & LED Indicator (Power Switch and LED Indicator)
- BASS (Bass Control)
- DIRECT COUPLE (Direct Coupling Switch)
- TREBLE (Treble Control)
- REC OUT SELECTOR (REC OUT Selector Switch) off, source, tape 1 ► 2, tape 2 ► 1
- MODE (Mode Switch) rev. stereo normal, mono
- CARTRIDGE (Cartridge Select Switch) - MC, I MM

- BALANCE (Balance Control)
- SUBSONIC (Subsonic Filter Switch)
- LOUDNESS (Loudness Switch)
- PHONO (Turntable Select Switch) ... only for PMA-777
  - ♣ Phono 1, Phono 2
- VOLUME (Volume Control)
- INPUT SELECTOR (Input Selector Switch) PHONO, TUNER, DAD, VIDEO/AUX
- TAPE MONITOR (Tape Monitor Switch)
- SPEAKERS (Speaker Select Switch) SYSTEM A, SYSTEM B



#### CONNECTIONS

- Do not plug power cord into AC outlet until all connections are completed.
- Connect right (R) channel plug to right (R) channel jack, and left channel plug to left channel jack.
- Insert plugs firmly into corresponding jacks. If connection is incomplete, noise may be generated.
- Plug audio component power cords into AC OUTLET terminal. Do not use this terminal for other electrical appliances, such as hair dryers. (NOT INCLUDED IN SYSTEMS FOR USE IN EUROPE AND AUSTRALIA)
- Do not bundle pin plug cords with power cord. Do not place pin plug cords near power transformer, or hum and other noise may occur.
- Always connect a pin plug cord or shorting pins to "PHONO" input terminals because these terminals are highly sensitive. If these terminal are not connected, induction hum may occur,

AC OUTLETS (NOT INCLUDED IN SYSTEMS FOR USE IN EUROPE AND AUSTRALIA)

AC outlets are used for connecting amplifier component units, such as tuner, turntable, tape deck, etc.

- SWITCHED (Capacity: 100 W):
- This outlet is turned on/off when main power switch is turned on/off.
- UNSWITCHED (Total capacity: 250 W): These outlets are always ON whether power switch is on or off.

LINE VOLTAGE (Voltage select switch) ... NOT INCLUDED IN SYSTEMS FOR USE IN EUROPE, U.S.A., CANADA AND AUSTRALIA PRE-SET

- The desired voltage may be set with the VOLTAGE SELECTOR KNOB on the back panel using a screw driver.
- Do not twist the VOLTAGE SELECTOR KNOB with excessive force. It may be damaged.
- If the voltage select switch does not turn smoothly, see a qualified serviceman.



Fig. 3

#### METHOD OF ADJUSTMENTS

Carry out adjustment at room temperature and normal humidity with the power source operating at the rated voltage.

#### ADJUSTMENT OF IDLING CURRENT (ETC0738, ETC0738B) - Fig. 4 Preparation

1 Place the unit in normal operating condition, avoid such good ventilating location close to air conditioner, circulating fan,

The unit circumference temperature must be in 15° ~ 30°C.

2 Set the switches as follows:

 POWER SWITCH → OFF

 VOLUME CONTROL -- m (M)

 DIRECT COUPLE → DIRECT

◆ SPEAKER TERMINAL → No load (Do not connect speakers, dummy resistors.)

- 1 Remove top cover and rotate VR301 (Lch) counterclockwise ( ) and VR302 (Rch) clockwise ( ) on the ETC-738. Connect a DC voltmeter to the test point (Lch TP-1, 2 and Rch TP-3, 4).
- 2 Connect the power cord and turn the POWER switch on. Immediately after turning on the power, rotate VR301 clockwise ( ), VR302 counterclockwise ( ) and adjust the test point voltage value -

PMA-777: 2 mV ± 0.2 mV DC PMA-757: 5 mV ± 0.2 mV DC

3 3 minutes after the preparatory adjustment as in step 2, rotate VR301, VR302 and obtain the voltage value -

PMA-777: 11 mV ± 2 mV DC PMA-757: 13 mV ± 0.5 mV DC

#### CAUTION

VR301 and VR302 of the present model have opposite turning directions in adjustment. In the future by changing of the board, adjustment of VR302 will be the same manner as of VR301.

Therefore after the board has changed (222 1090 208), adjust the VR302 with the possible care.

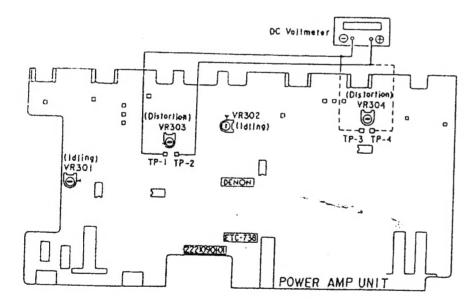


Fig. 4

#### ADJUSTMENT OF DISTORTION FACTOR (Fig. 4)

- 1 Connect a 8-ohm loading resistor across the speaker terminal.
- 2 Inject 20 kHz sine wave signal through the TUNER terminal. Operate both L and R channels and obtain 50 watts (20 Vrms) output power across the 8-ohm loading resistor.
- 3 Adjust VR303 (Lch) and VR304 (Rch) for minimum distortion factor (be sure to put bottom cover to the unit during the adjustment).

#### INJUSTMENT OF NEUTRAL POTENTIAL POINT (Fig. 5, Fig. 5')

Insert the shorting pin into the PHONO input terminal.

Connect a digital voltmeter (be able to measure 0.01 mV through 1 mV DC) to the REC output (Lch and Rch).

Connect a 100-k ohm (1/4 watt or so) resistor across the test point (Lch TP-3, 4 and Rch TP-5, 6) on the EQ Amp unit.

Set the switches as follows:

INPUT SELECTOR → PHONO

FREC OUT SELECTOR → Source

CARTRIDGE

VOLUME CONTROL + - ∞ (1)

#### Adjustment

Approximately 2 minutes after turning on the POWER switch, rotate — VR103 (PMA-777), VR101 (PMA-757) and adjust the Lch digital meter reading for 0.5 mV DC or less value.

🟂 In the same manner rotate – VR104 (PMA-777), VR102 (PMA-757) and adjust the Rich digital meter reading for 0.5 mV DC or less value.

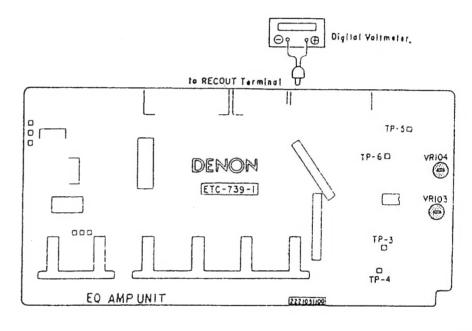


Fig. 5 for: PMA-777

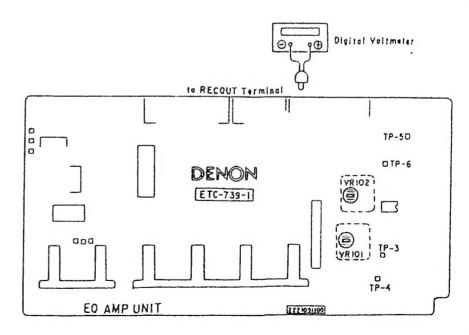
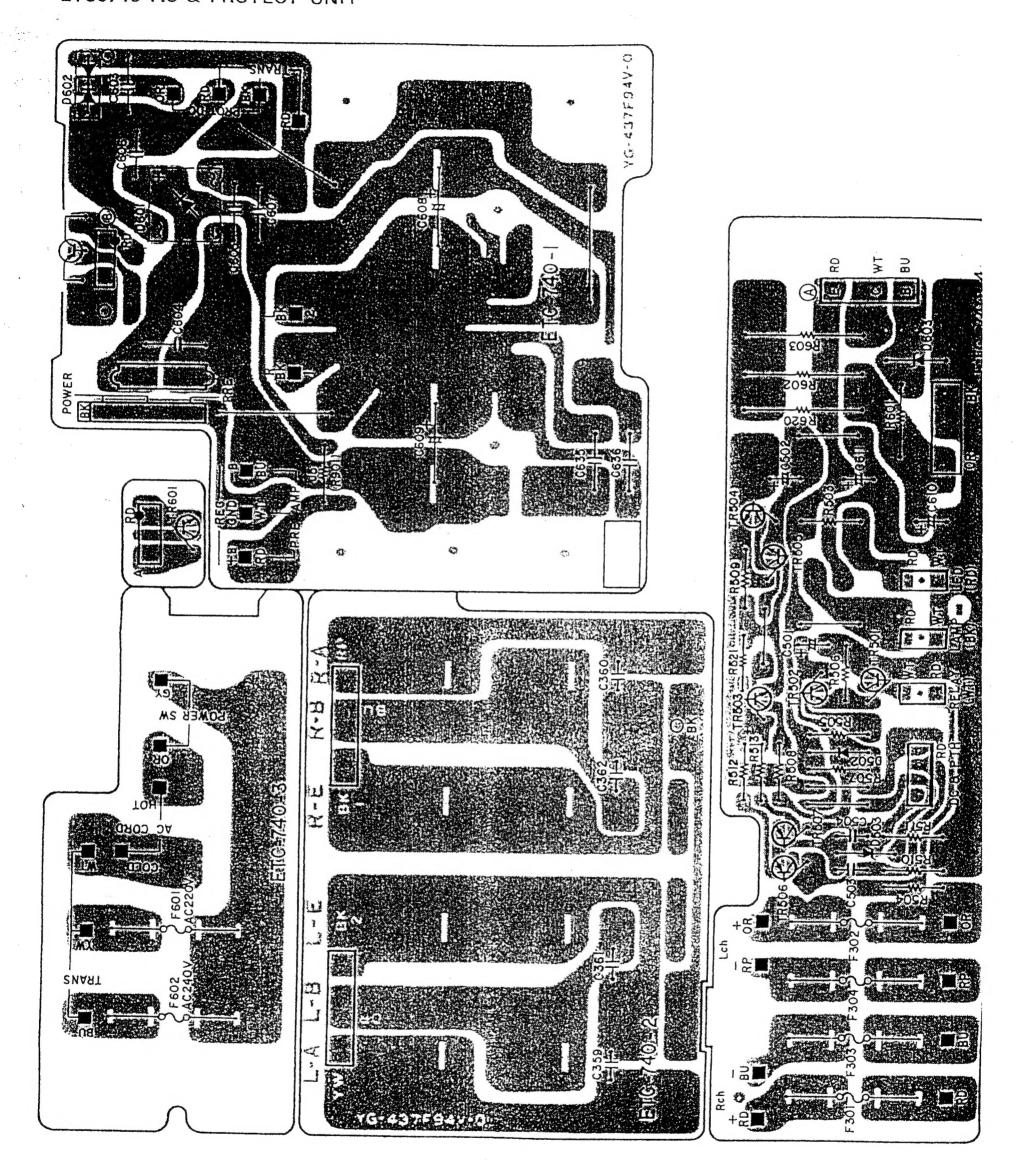


Fig. 5' for: PMA-757

### • PMA-777

### ETC0740 P.S & PROTECT UNIT



### ETC0739 INPUT & EQ. UNIT PARTS LIST

Ref. No.	Part No.	Part Name & Descriptions			
SEMICONDUCTORS					
		NI INAAEEOE	V / 10	CI	IC
IC101	2630118027	NJM45600		CI	
IC103,	2630133002	µPC741 (N	ECI		IC
104					
TR 101	2750046008	25K170(B	L)/(V)	ovgs	FET
-108					
TR602	2750043001	25K381(B	1/(C)		FET
603	17500 15001				
	anaanacaaa	2SC2824(	V/01		TRANSISTOR
TR604	2730236029	2SA564A(			TRANSISTOR
TR605	2710178039				TRANSISTOR
TR606	2710135027	2SA1184	4/01		
D105,	2760049008	152076			DIODE
106					
D107	2760224001	HZ-30			ZENER
D501	2760191008	M03C			DIODE
D604	2760301005	HZ22-2			ZENER
		L			/ T
	RESISTORS (no				
Fire	2,00000000	30000	50	171	WEIGH ON DE
					Ritt.
WI EN	ATTIONS VIEW	· Fine con-		11.57	forescu (And
					o o o o o o o o o o o o o o o o o o
	2007 (DE	195 enno	-	1637	12 % DARE
	A HOUSE				All Courses
	200000	5000 mem		3/0	
VECTOR .	WITH THE	27.7			Miss
1912					
150				1.0	TETAL ENGINE
£605	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				RB,
VR103,	EP-5462H19	SOLID VI	R 100k	opm	
104					
	CAPACITORS (n	at included (	Cerami	c ±5%	50V Type)
	2544145005	·			ELECTROLYTIC
C101	2544145005	0.4,2,			
~103	2554161008	0.0047E	.5%	SOV	PLASTIC FILM
C127,	2554181008	0.004741	107	50 -	
128			20.00	251	ELECTROL VIIC
C129	2544157006				ELECTROLYTIC
C131.	2549011008	1µF LOW	LEAK	50V	ELECTROLYTIC
132	1				
C133,	2544146004	1µF	±20%	50V	ELECTROLYTIC
134					
C135,	2554173009	0.015uF	±5%	50V	PLASTIC FILM
136	255.175005				
1	1	270nF	. 601	F01/	PLASTIC FILM
C137.	2554131000	* 1.0b	# C) 76	5U V	
	2554131009		±576	50 V	
138		0.055 5			
138 C139.	2554131009 2554187008	0.056μF			PLASTIC FILM
138 C139. 140	2554187008		±5%	50V	PLASTIC FILM
138 C139.			±5%	50V	
138 C139. 140	2554187008 2554169000	0.01µF	±5% ±5%	50V 50V	PLASTIC FILM
138 C139. 140 C141,	2554187008	0.01µF	±5% ±5%	50V 50V	PLASTIC FILM
138 C139, 140 C141, 142	2554187008 2554169000 2544130007	0.01μF 100μF	±5% ±5% ±20%	50V 50V 10V	PLASTIC FILM PLASTIC FILM ELECTROLYTIC
138 C139. 140 C141, 142 C143,	2554187008 2554169000 2544130007	0.01μF 100μF	±5% ±5% ±20%	50V 50V 10V	PLASTIC FILM
138 C139. 140 C141, 142 C143, 144	2554187008 2554169000 2544130007	0.01µF 100µF 1µF	±5% ±5% ±20%	50V 50V 10V 50V	PLASTIC FILM PLASTIC FILM ELECTROLYTIC ELECTROLYTIC
138 C139. 140 C141, 142 C143, 144 C145, 146	2554187008 2554169000 2544130007	0.01µF 100µF 1µF	±5% ±5% ±20%	50V 50V 10V 50V	PLASTIC FILM PLASTIC FILM ELECTROLYTIC ELECTROLYTIC
138 C139. 140 C141, 142 C143, 144 C145, 146 C149	2554187008 2554169000 2544130007 2544146004	0.01µF 100µF 1µF	±5% ±5% ±20%	50V 50V 10V 50V	PLASTIC FILM PLASTIC FILM ELECTROLYTIC
138 C139. 140 C141, 142 C143, 144 C145, 146 C149 ~152	2554187008 2554169000 2544130007 2544146004 2554163006	0.01µF 100µF 1µF 0.0056µF	±5% ±5% ±20% ±20%	50V 50V 10V 50V	PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC  ELECTROLYTIC  PLASTIC FILM
138 C139. 140 C141, 142 C143, 144 C145, 146 C149 ~152 C153,	2554187008 2554169000 2544130007 2544146004	0.01µF 100µF 1µF 0.0056µF	±5% ±5% ±20% ±20%	50V 50V 10V 50V	PLASTIC FILM PLASTIC FILM ELECTROLYTIC ELECTROLYTIC
138 C139, 140 C141, 142 C143, 144 C145, 146 C149 ~152 C153, 154	2554187008 2554169000 2544130007 2544146004 2554163006 2531024003	0.01µF 100µF 1µF 0.0056µF	±5% ±5% ±20% ±20% ±5% +80,	50V 50V 10V 50V 50V	PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC  ELECTROLYTIC  PLASTIC FILM  OV CERAMIC
138 C139. 140 C141, 142 C143, 144 C145, 146 C149 ~152 C153, 154 C355,	2554187008 2554169000 2544130007 2544146004 2554163006	0.01µF 100µF 1µF 0.0056µF	±5% ±5% ±20% ±20% ±5% +80,	50V 50V 10V 50V 50V	PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC  ELECTROLYTIC  PLASTIC FILM
138 C139, 140 C141, 142 C143, 144 C145, 146 C149 ~152 C153, 154	2554187008 2554169000 2544130007 2544146004 2554163006 2531024003 2554169000	0.01µF 100µF 1µF 0.0056µF 0.01µF	±5% ±5% ±20% ±20% ±5% +80,	50V 50V 10V 50V 50V 20% 5	PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC  ELECTROLYTIC  PLASTIC FILM  OV GERAMIC  PLASTIC FILM
138 C139, 140 C141, 142 C143, 144 C145, 146 C149 ~152 C153, 154 C355,	2554187008 2554169000 2544130007 2544146004 2554163006 2531024003	0.01µF 100µF 1µF 0.0056µF 0.01µF	±5% ±5% ±20% ±20% ±5% +80,	50V 50V 10V 50V 50V 20% 5	PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC  ELECTROLYTIC  PLASTIC FILM  OV CERAMIC
138 C139, 140 C141, 142 C143, 144 C145, 146 C149 ~152 C153, 154 C355, 356	2554187008 2554169000 2544130007 2544146004 2554163006 2531024003 2554169000	0.01µF 100µF 1µF 0.0056µF 0.01µF 0.01µF	±5% ±5% ±20% ±20% ±5% +80,	50V 50V 10V 50V 50V 20% 5	PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC  ELECTROLYTIC  PLASTIC FILM  OV CERAMIC  PLASTIC FILM  PLASTIC FILM
138 C139. 140 C141, 142 C143, 144 C145, 146 C149 ~152 C153, 154 C355, 356 C357,	2554187008 2554169000 2544130007 2544146004 2554163006 2531024003 2554169000	0.01µF 100µF 1µF 0.0056µF 0.01µF 0.022µF	±5% ±5% ±20% ±20% ±5% +80, ±5% ±5%	50V 50V 10V 50V 50V 20% 5 50V 50V	PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC  PLASTIC FILM  OV CERAMIC  PLASTIC FILM  PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC
138 C139. 140 C141, 142 C143, 144 C145, 146 C149 ~152 C153, 154 C355, 356 C357, 358	2554187008 2554169000 2544130007 2544146004 2554163006 2531024003 2554169000 2554177005	0.01µF 100µF 1µF 0.0056µF 0.01µF 0.022µF	±5% ±5% ±20% ±20% ±5% +80, ±5% ±5%	50V 50V 10V 50V 50V 20% 5 50V 50V	PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC  ELECTROLYTIC  PLASTIC FILM  OV CERAMIC  PLASTIC FILM  PLASTIC FILM
138 C139, 140 C141, 142 C143, 144 C145, 146 C149 ~152 C153, 154 C355, 356 C357, 358 C612 C615,	2554187008 2554169000 2544130007 2544146004 2554163006 2531024003 2554169000 2554177005 2544153000	0.01µF 100µF 1µF 0.0056µF 0.01µF 0.01µF	±5% ±5% ±20% ±20% ±5% +80, ±5% ±5%	50V 50V 10V 50V 50V 20% 5 50V 50V	PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC  PLASTIC FILM  OV CERAMIC  PLASTIC FILM  PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC
138 C139, 140 C141, 142 C143, 144 C145, 146 C149 ~152 C153, 154 C355, 356 C357, 358 C612	2554187008 2554169000 2544130007 2544146004 2554163006 2531024003 2554169000 2554177005 2544153000	0.01µF 100µF 1µF 0.0056µF 0.01µF 0.022µF	±5% ±5% ±20% ±20% ±5% +80, ±5% ±5%	50V 50V 10V 50V 50V 20% 5	PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC  PLASTIC FILM  OV CERAMIC  PLASTIC FILM  PLASTIC FILM  PLASTIC FILM  ELECTROLYTIC

Ref. No.	Part No.	Part Name & Descriptions
C617 ~624	2531024003	0.01µF +80,-20% 50V CERAMIC
		SWITCHES
SW101	2124513002	SLIDE SW (4-2) REMOTE PH. SELECTOR
SW102 SW103 SW104	2124330007 2124512003 2124422009	SLIDE SW (4-2) REMOTE CARTRIDG  4P PUSH SWITCH INPUT SEL  2P PUSH SWITCH T. MONITOR  SLIDE SW (4-4) REMOTE RECOUT
SW105 SW106	2124187001 2124510005	2P PUSH SWITCH S.P.
		OTHER PARTS
	2221091100 EP-5667H1 2090008146 2090008120 2090008117	P.W. BOARD  TERMINAL PIN USED 30  JUMPER WIRE P=5mm USED 6  JUMPER WIRE P=10mm USED 100  JUMPER WIRE P=12.5mm USED 8
LE501 L301,	4140116106 3939154008 2350007007	SHIELD COVER USED 2 PR5552K-1 RED LED INDUCTOR
302 PL601 ~609	3930083000	PILOT LAMP 16V 0.04A USED 9
RL501	4530022208 4530023207 1220109007 4410412200 2034197097 2034214019 2034185096 2034181074 2034181087 2038132016 2140037009 2048100009 2050145007 2036084001 2040079002 2048059008 4140240001 4170043000 4730354019	LAMP COVER (A) USED 7  LAMP COVER (B) USED 1  BLIND SHEET  LED HOLDER  3P CONNECTOR CORD  5P CONNECTOR CORD  6P CONNECTOR CORD  RELAY  HEADPHONE JACK  4P CONNECTOR BASE PHONO  4P CONNECTOR BASE USED 2  6P CONNECTOR BASE  DIN JACK (5P)  EARTH PLATE  RADIATOR USED 2  TAPPING SCREW (2) 3×8 USED 2  3P NH CONNECTOR BASE USED 2
	2050190036 2050190052 2050185038 2050185054	SP NH CONNECTOR BASE 3P WIRE HOLDER USED 7 5P WIRE HOLDER

INTED WIRING BOAR	RD PATTERNS AND	PARTS LIST
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### CO740 P.S & PROTECT UNIT PARTS LIST

THAT S	Part No.	Part Name & Descriptions			
	S	EMICONDUCTORS			
10801	2740088018	2SD1406(Y/GR) TRANSISTOR			
TR501	2730235020	2SC1841(E/F) TRANSISTOR			
TR502	2730269038	2SC1685(R) TRANSISTOR			
TR506,	2730269038	2SA564A(R) TRANSISTOR			
D502	2760049008	152076 DIODE			
0503	2760236031	HZ5C-1 ZENER			
0601	2760356005	DSFB20(4001) DIODE			
D602	2760151006	102C-1 DIODE			
D603	2760256008	HZ-16-2 ZENER			
		RESISTORS			
R503	241 2096008	1.5k ohm ±5% 1/4W CARBON			
P 251	7550 0570 Z5				
C.S. a.	2412116001				
R505	2412116001	10k ohm ±5% 1/4W CARBON			
R506	2412108006	4.7k ohm ±5% 1/4W CARBON			
R507	2412164008	1M ohm ±5% 1/4W CARBON 4.7 ohm ±5% 1/4W CARBON			
R508	2412036000	10k ohm ±5% 1/4W CARBON			
R509	2412116001	1			
R510,	2412149007				
R512.	2412120000	15k ohm ±5% 1/4W CARBON			
R521	2412140006	100k ohm±5% 1/4W CARBON			
Section .	24400860225	#100/ohm #5X5 ZW SMETALIOXIDE AR			
31		NB COLUMN TO THE PARTY OF THE P			
	2210078025	27,00m 50 2W METALOXIDE NBI			
~ 7	L	CAPACITORS			
C359 C362	2531024003	0.01µF +80,-20% 50V CERAMIC			
C501	2544129005	47µF ±20% 10V ELECTROLYTIC			
C502	2544161034	330µF ±20% 6.3V ELECTROLYTIC			
C503.	2531024003	0.01µF +8020% 50V CERAMIC			
2504					
2604 :1.607	2531053003	0.01µF +100,-0% 500V CERAMIC			
C608,	2546058006	22000/22000µF 63V ELECTROLYTIC			
<b>C</b> 610	2544063035	100µF ±20% BOV ELECTROLYTIC			
C611:	2544146004	1µF 50V ELECTROLYTIC			
· 0 - 4 0	2588024018	O HE 20. 250VAGMEMAGIZED			
		FUSE			
7-7	11:1020728	SHE TO A CONSESSION			
Carrier	200 O CO TO	HURETOKYAL MINIMEMKO			
		OTHER PARTS			
	2221092109	P.W. BOARD			
	EP-5667H1	TERMINAL PIN USED 25			
	2090008120	JUMPER WIRE P=10mm USED 5			
2	2050105054	ER WIDE HOLDER			

SP WIRE HOLDER

3P WIRE HOLDER USED 2

3P TERMINAL USED 3

JPNH CONNECTOR BASE USED 3 4PNH CONNECTOR BASE

JUMPER 0=1.6 %=20mm USED 3

3P CONNECTOR PIN ASS'Y USED 2

2050185054

2050185038

2050190036

2050190049 2050122033

2050087039 2090052008

Ref. No.	Part No.	Part Name & Descriptions
(R901)J5	2090008120	JUMPER WIRE P=10mm
	2034163063	3P CONNECTOR CORD
	2034193046	3P CONNECTOR CORD
<b>MATERIAL</b>	2020022008	RESEARCHER USER V.
	4120952102	CONDENSER BRACKET
	2050144008	8P TERMINAL
	2050178003	EARTH PLATE
	4730354019	TAPPING SCREW (2) 3x8 USED 4
	5130913004	FUSE LABEL

### ETC0740D E1 for Asia (Same as ETC0740 except the followings.)

Ref. No.	Part No.	Part Name & Descriptions				
CAPACITORS						
C359 ~362	2531024003	0.01µF	+80,-20% 50V CERAMIC (DELETE)			
C635, 636	2568024018	0.1µF	±20% 250V METALIZED (DELETE)			
		OTHERP	ARTS			
	2020022008 2061015087	FUSE H	OLDER (DELETE) A) (DELETE)			

#### ETC0740E E3 for U.S.A. (Same as ETC0740 except the followings.)

Ref. No.	Part No.	Part Name & Descriptions				
	CAPACITORS					
C359 ~361	2531024003	0.01µF +80,-20% 50V CERAMIC (DELETE)	)			
C635, 636	2568024018	0.1µF ±20% 250V METALIZED (DELETE)	)			
		OTHER PARTS				
AF301	2061046001	FUSE (GMA) (USEDVE - (CHANGE	H			
4E601	20500000	G:ANGE	重			
	5130854037	FUSE LABEL (ADD)				
	5130854024	FUSE LABEL (ADD)				
(R901)J5	2412321032	4.7 ohm ±5% 1/4W CARBON (NB)				

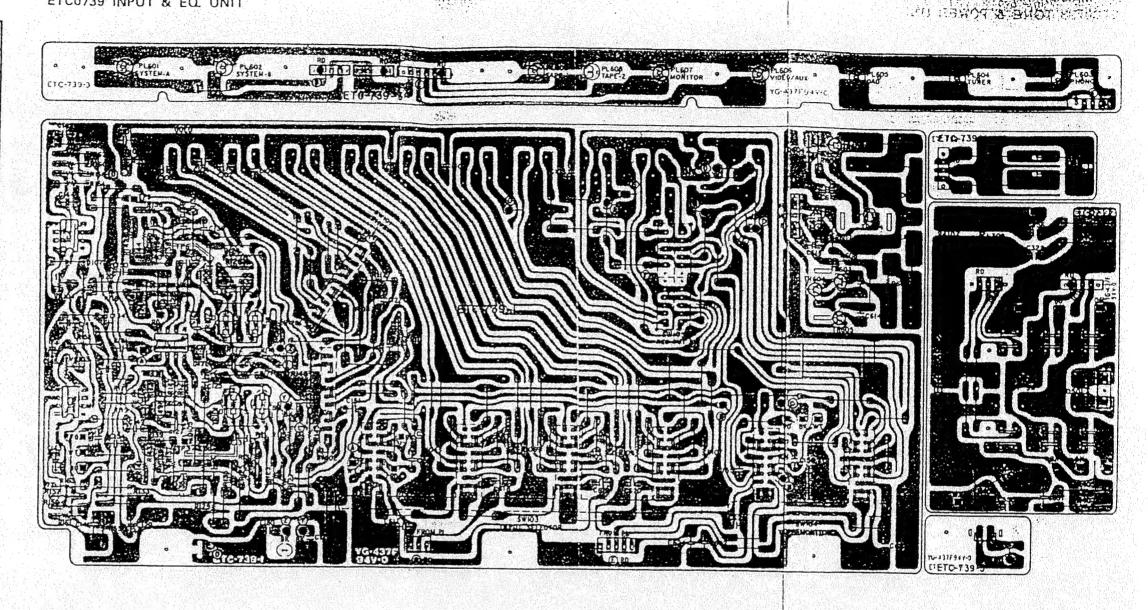
#### ETC0740E EA for Australia and EK for U.K. (Same as ETC0740 except the followings.)

Ref. No.	Part No.	Part Name & Descriptions				
CAPACITORS						
C359	2531024003	0.01µF	+80,-20% 50V CERAMIC			
~361			(DELETE)			
C635,	2568024018	0.1µF	120% 250V METALIZED			
636			(DELETE)			
		OTHER PA	ARTS			
F601	2061015087	FUSE IT	4A) MINISEMKO (DELETE)			
F602	2061015087	FUSE IT	4A) MINISEMKO (ADD)			

#### 1 for Asia 0739 except the followings.)

No.	Part Name & Descriptions
	RESISTORS
6003	470k ohm±5% 1/4W CARBON (DELETE)
8120	JUMPER WIRE P-10mm (CHANGE)
	CAPACITORS
2001	430pF ±5% 50V CERAMIC (DELETE)
3000	470pF ±5% 50V CERAMIC
5008	(DELETE) 560pF ±5% 50V CERAMIC
4003	(DELETE) 0.01µF +80,-20% 50V CERAMIC
5004	(DELETE) 240pF ±5% 50V CERAMIC
X)05	(DELETE) 47pF ±5% 50V CERAMIC (CHANGE)
	OTHER PARTS
1008	DIN JACK (5P) (DELETE)
120	JUMPER WIRE P= 10mm USED 102
and a second	(CHANGE)
To the second	
	[ - 발발 : 발표 보다 원일 A
	Bank -
	.7:20
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• PMA-777 ETC0739 INPUT & EQ. UNIT



for U.S.A. 739 except the followings.)

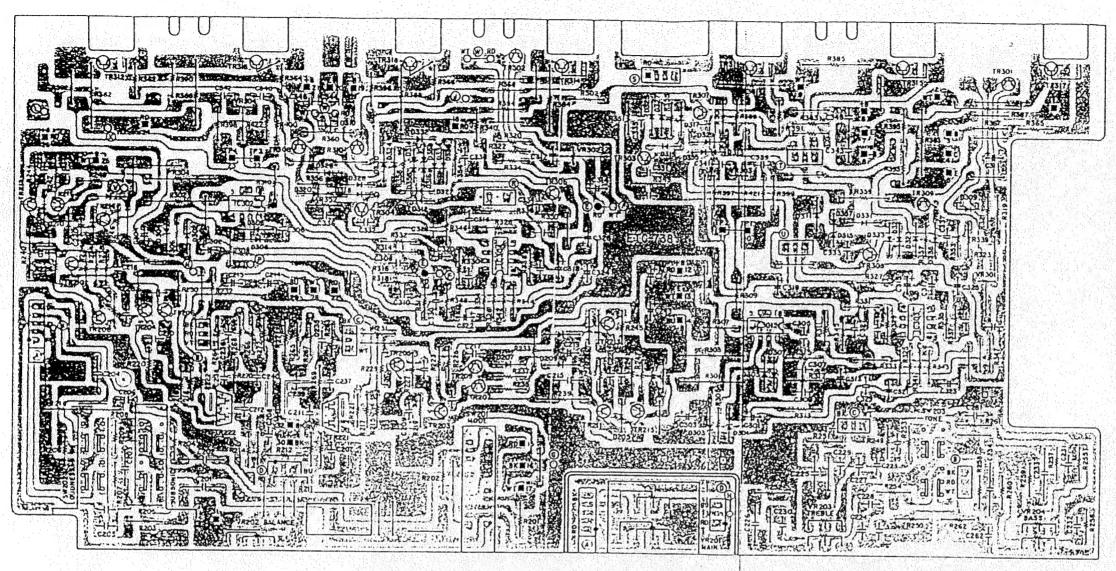
э.	Part Name & Descriptions	
	RESISTORS	
)03 )20	470k ohm±5% 1/4W CARBON (DELE JUMPER WIRE P~10mm (CHAN	11.
	CAPACITORS	
ю1 003	430pF ±5% 1/4W CERAMIC (DELETO.01)µF +80,-20% 50V CERAMIC	
	CHAN	GEI

Rel. No.	Part No.	Part Name & Descriptions				Part N	
C155,	2533643000	470pF	15%	50 V	CERAMIC (DELETE)		
C171,	2533636004	240pF	±5%	50 V	CERAMIC (DELETE)		
C125.	2533645008	560pF	±5%	50V	CERAMIC (CHANGE)		
C173, 174	2533619005	47pF	15%	50 V	CERAMIC (CHANGE)		
		OTHER	PARTS				
	2048059008 2090008120	DIN JAC			(DELETE) nm USED 102 (CHANGE)		

ETC0739F EA for Australia and EK for U.K. (Same as ETC0739 excep the followings.)

Ref. No.	Part No.	Part Nmae & Descriptions
		RESISTORS
H171. 172	2090008120	JUMPER WIRE P= 10mm (CHANGE)
		CAPACITORS
C104 ~107	2533642001	430pF 15% 50V CERAMIC (DELETE)
C178,	2531024003	0.01µF +80,-20% 50V CERAMIC
179,		(CHANGE)
180		

Rel. No.	Part No.		Part Na	me & (	Descriptions
155.	2533643000	470pF	15%	50 V	CERAMIC
156 171.	2533636004	240pF	±5%	50V	(DELETE)
172 125,	2533645008	560pF	15%	50 V	(DELETE)
126 173,	2533619005	47pF	25%	50V	(CHANG!)
174					(CHANG
		OTHER	PART		
	2090008120	JUMPER	WIRE	P=10m	nm USED 102
					(CHANGE



ETC0738E E3 for U.S.A. (Same as ETC0738 except the followings.)

Ref. No.	Part No.	Part Name & Descriptions	
CAPACITORS			
C241, 243	2544203002	1µF :20% 160V ELECTROLYTIC (CHANGE)	

### ETC0738 TONE & POWER UNIT PARTS LIST

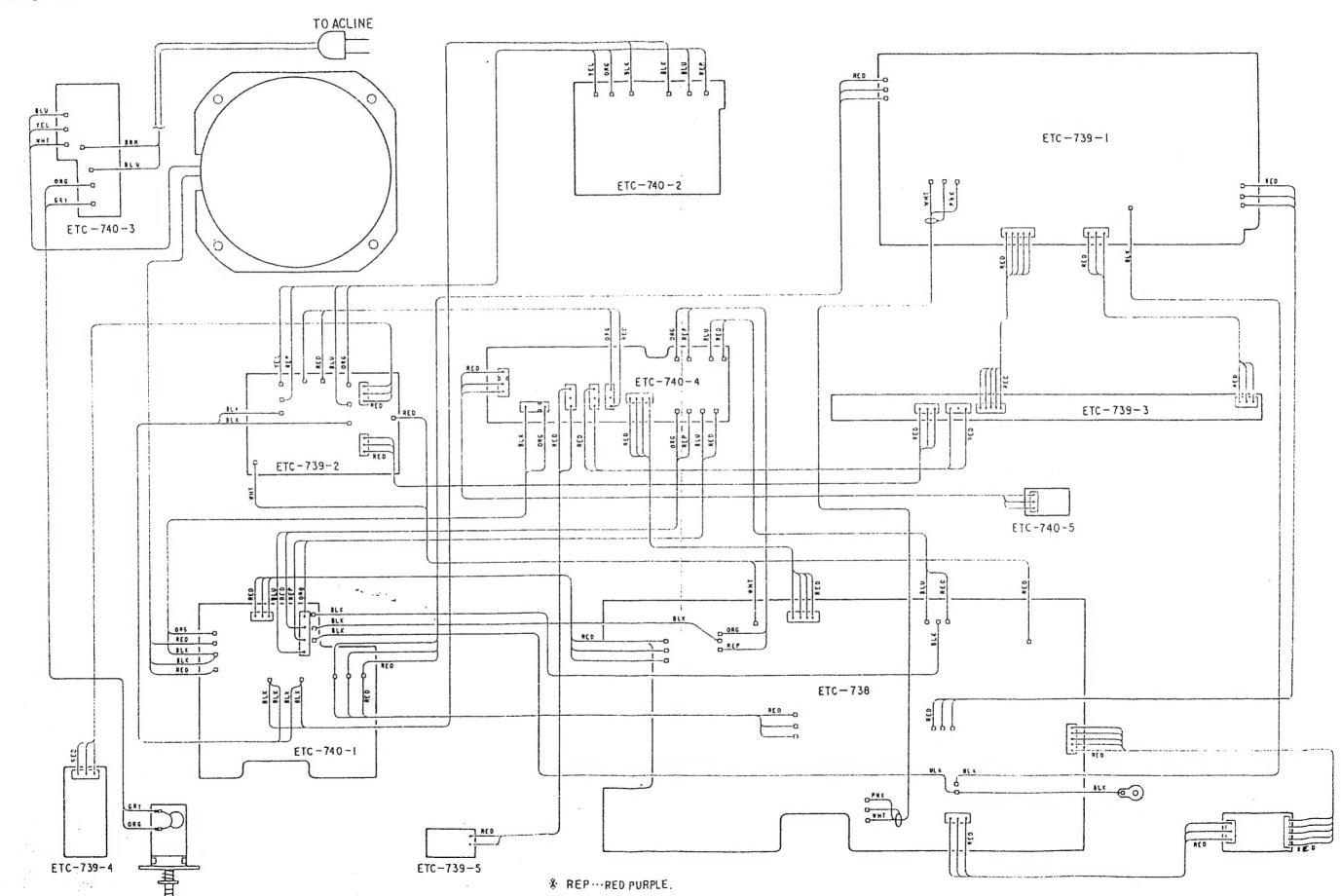
Ref. No.	Part No.	Part Name	& Descriptions
		EMICONDUCTORS	
TR221,	2750046008	25K170(BL)/(V)C	VGS FET
1C301 ~304	2630257001	M-5218P (MITSUE	IISHII IC
TR 201, 202	2750046008	25K170(BL)/(V)D	VGS FET
TR 203 ~206	2730235020	2SC1841(E/F)	TRANSISTOF
TR207	2710185006	25A949(O)/(Y)	TRANSISTOR
TR211 ~214	2730307000	2SC2229(O)/(Ý)	TRANSISTOF
TR215, 216	2710185006	25A949(O)/(Y)	TRANSISTOR
TR301. 302	2730198015	25C1815(BL)	TRANSISTOR
TR303, 304	2730307000	2SC2229(O)/(Y)	TRANSISTOR
TR305, 306	2710185006	2\$4949(O)/(Y)	TRANSISTOR
TR307, 308	2730199027	25C2238(Y)/(O)	TRANSISTOR
TR309,	2710104029	2SA968(Y)/(O)	TRANSISTOR
D205 ~210	2760049008	152076	DIODE
-304	2760253001	H2 (5-2	ZENER
D305 ~308	2760049008	182076	DIODE
D309.	2760388002	MV-IYH	DIODE
0311. 312	2760236031	HZ5C:i	ZENER
D313 ~316	2760052053	HZ118-1	ZENER
D317 ~336 D355	2760049008	152076	DIODE
~358	2760049008	1S2076	DIO DE

#### RESISTORS (not included Carbon Film ±5%, 1/4W Type)

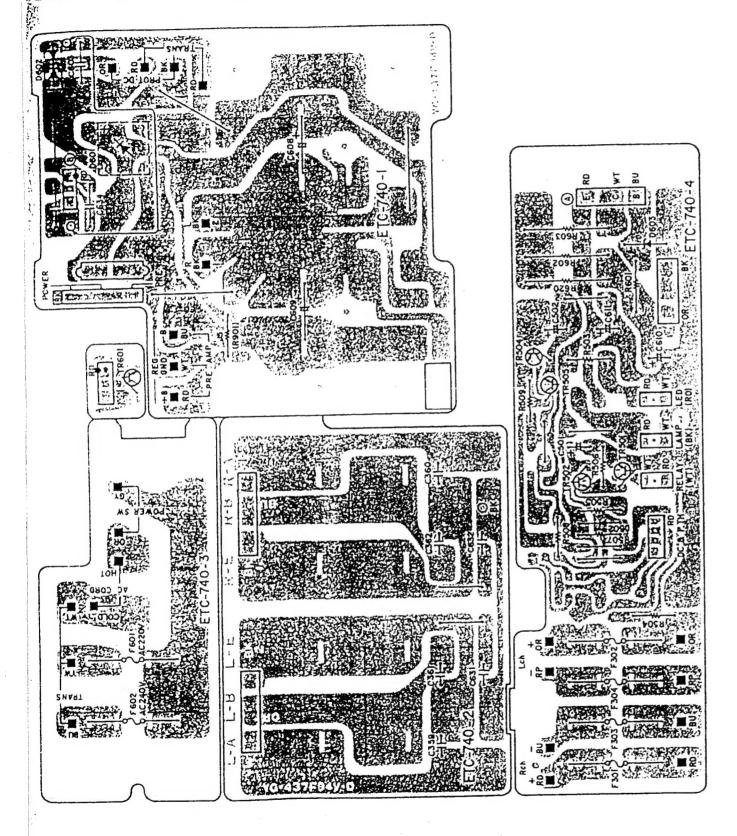
	era i par er i kontrat kan ut beka	THE REPORT OF THE PARTY AND ADDRESS.	0.41	BURGESTER AND
R209, 210	2420203003	10M ohm ±10%	1/47	CAR BON
AH2[1]	2412014020		S/AW	CAR BONINE)
	A Legit light	(70 cm es)	44.0	
	23521L281	Dur 13	ULV	ericiogai
	Sipakor	دوستان	11/11/	CVATEORY (FIVE
	2100305	Ew.53	W	METALOXIDE
	THE SECTION	200 m 2	VΨ	CAR BON (FR)
.H245 €	ALEMOR.	200 - 53	V.W	CAR BONE(AB)
H301	2440103028	Zilkom (A.	W	METALOXIDE
1306	eneries)	2000 July	/AL	CAR BON (NB)
H3097	5315551000	112 117 113	/4W	CAR BON (NB)
		HOLE CONTRACTOR	W.C.T.	this in the

### CONNECTION DIAGRAM • PMA-777

This figure is E2 version



PMA-757 ETC0740B P.S & PROTECT UNIT



#### ETC0740B P.S & PROTECT UNIT PARTS LIST

Ref. No.	Part No.	Part Name & Descriptions
	SE	MICONDUCTORS
TR501	2730235020	2SC1841(F)/(E) TRANSISTOR
TR502	2730269038	2SC1685(R) TRANSISTOR
TR504.	2730269038	2SC1685(R) TRANSISTOR
505		
TR60!	2740088018	2SD1406(Y)/(GR) TRANSISTOR
D502	2760049008	1S2076 DIODE
D601	2760356005	D5FB20(4001) DIODE
D602	2760151006	1D8C-1 DIODE
0603	2760256008	HZ-16-2 ZENER
0003	2700230000	RESISTORS
R503	2412096008	1.5k ohm 15% 1/4W CARBON
IR504	2412369081	330 ohm 15% 1/4W CARBON (NB)
R505	2412116001	10k ohm 15% 1/4W CARBON
R506	2412108006	4.7k ohm 15% 1/4W CARBON
R507	2412164008	1M ohrn 15% 1/4W CARBON
R508	2412036000	4.7 ohm ±5% 1/4W CARBON
R509	2412116001	10k ohm ±5% 1/4W CARBON
R601	2410205008	6.8k ohm :5% 1/2W CARBON
		COMPOSIT
1R602.	2440086022	100 phm 15% 2W METAL OXIDE
15	A CONTRACTOR	为了特别的是一个人,但是一个人,但是一个人,但是一个人,但是一个人,
IR603	2440079026	\$27 ohm g ±5% 2W ZEMETAL OXIDE S
4	E TOWN	BASTUSE PURES WINB & FABRE
IA620	2440086022	100 ohms 15X) 2W3 METAL OXIDE
1020		CAMPED AND APPENDING TO A STATE OF
1000	10000000000000000000000000000000000000	Parameter and transmission and area over
		CAPACITORS
0255	2521025002	0.022µF +80,-20% 50V CERAMIC
C359	2531025002	U.UZZIF TOU, -ZU & SUV CENANIC
~362		43 5 -209 10V SI SCTDOLYTIC
C501	2544009002	47µF =20% 10V ELECTROLYTIC
C502	2544161034	330µF 120% 6.3V ELECTROLYTIC
C603	2531053003	0.01µF +100,-0% 500V CERAMIC
C608,	2546063004	15000µF/15000µF 63V ELECTROLYTIC
609		
C610	2544063035	100µF ±20% 80V ELECTROLYTIC
C611	2544089006	1µF ±20% 50V ELECTROLYTIC
C633.	2531053003	0.01µF +100,-10% 500V CERAMIC
634		
C631.	2531024003	0.01µF +80,20% 50V CERAMIC
632	1	
<b></b>		FUSE
	- 244A MATO B'T + 18 TO 10	
∆F301	2061040036	FUSE (FEA) SEMKO MINI
~304		CONTRACTOR OF THE PARTY OF THE
∆F601	2061015074	FUSE (T3 15A) SEMKO MINI
-::	- Comment of the comment	
		OTHER PARTS
	2221092109	P.W. BOARD
	EP-5667H1	TERMINAL PIN USED 26
	2050008120	JUMPER WIRE P= 10mm USED 5
1	1	SP WIRE HOLDER
	2050185054	3P WIRE HOLDEN
	2050185038	3PNH CONNECTOR BASE USED 3
	2050190036	3P CONNECTOR PIN ASS'Y USED 2
1	2050122033	1
	2050087039	3P TERMINAL USED 3
	2090052008	JUMPER D1.6 %=20min USED 3
1	2034163063	3P CONNECTOR CORD
	2034193046	3P CONNECTOR CORD
I	4120952102	CONDENSER BRACKET
	2050144008	8P TERMINAL
	2050178003	EARTH PLATE
1	4730354019	TAPPING SCREW (2) 3×B USED 4
1	5130934009	FUSE LABEL

Ref. No.	Part No.	Part Name & Descriptions
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2020022008	FUSE HOLDER LUSED 10 200
	2030226027	1P CONTACT ASS'Y
18901115	2050008120	JUMPER IWRE P#10mm

### ETC0740M E1 for Asia (Same as ETC0740B except the followings.)

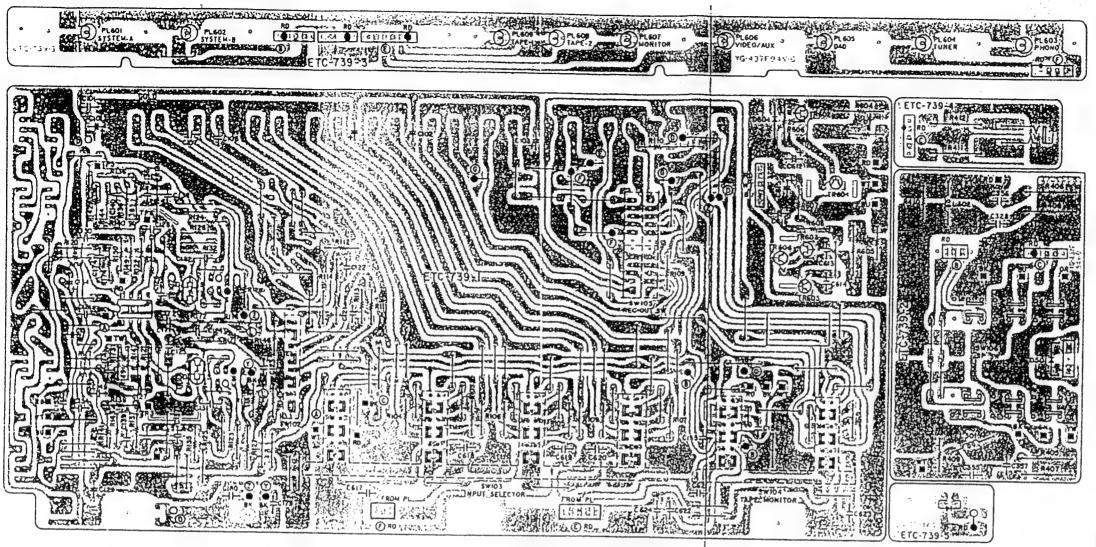
Rel. No.	Part No.	Part Name & Descriptions			
	CAPACITORS				
C631.	2531024003	0.01µF +80,-20% 50	OV CERAMIC		
632			(DELETE)		
C633,	2531053003	0.01µF +100,-0% 50	DOV CERAMIC		
634			IDELETE		
C359	2531025002	0.022µF +80,-20% 50	OV CERAMIC		
~ 362			(DELETE)		
		OTHER PARTS .			
	5130934009	FUSE LABEL	(DELETE)		
	2020022008	FUSE HOLDER USE	D 8 (CHANGE)		
	2061015087	FUSE (4A)	(DELETE)		
	2030226027	IP CONTACT ASS'Y (DELE			

### ETC0740N E3 for U.S.A., & EC for Canada (Same as ETC0740B except the followings.)

Rel. No.	Part No.	Part Name & Descriptions			
	CAPACITORS				
C633,	2531053003	0.01µF +100, -0% 500V CERAMIC (DELETE)			
C631, 632	2531024003	0.01µF +80,-20% 50V CERAMIC (DELETE)			
C359 ~362	2531025002	0.022µF +80,-20% 50V CERAMIC (DELETE)			
	OTHER PARTS				
F301	2061046027	FUSE 5A (UL) (CHANGE)			
#F601	2030226027	TEUSE 6:34 (UC) THE SET CHANGES SIE CONTACT ASS Y SATE (DELETEL)			
	5130854037 5130854011	FUSE LABEL (ADD) FUSE LABEL USED 4 (ADD)			

## ETC0740P EA for Australia & EK for U.K. (Same as ETC0740B except the followings.)

Rel. No.	Part No.	Part Name & Descript fons	
		CAPACITORS	
C633, 634 C631, 632 C359	2531053003 2531024003 2531025002	0.01µF +100,-0% 500V CEF 0.01µF +80,-20% 50V CEF 0.022µF +80,-20% 50V CEF	(DELETE)  (DELETE)
		OTHER PARTS	
F601 F602	2030226027 2061015087 2061015087	1P CONTACT ASS Y FUSE (T.4A) MINISEMKO FUSE (T.4A) MINISEMKO	(DELETE) (DELETE) (ADD)



#### ETC0739B INPUT & EQ. UNIT PARTS LIST

Ref. No.	Part No.	Part Name & Descriptions	
	s	EMICONDUCTORS	
IC101	2630081015	NJM4558DX (JRC)	IC
TR101, 102	2750029025	2SK240(BL)/(V)	FET
TR602, 603	2750043001	25K381(B)/(C)	FET
TR604	2730236029	2SC2824(Y/O)	TRANSISTOR
TR605	2710178039	2SA564A(R)	TRANSISTOR
TR606	2710135027	2SA1184(Y/O)	TRANSISTOR
0501	2760191008	W03C	DIODE
D604	2760301005	HZ 22-2	ZENER
l		RESISTORS	
3129. 130	2420203003	10M ohm ±10% 1/4W	CARBON COMPOSIT

Ref. No.	Part No.	Part Name & Descriptions
408 g 484) 1 g 1 412 g	2440021029 24400300237 24400300237 23440036027 43440036027	(FIX Dhm = 15 X & I/AW CARBON (NB) 22-ohm = 15 X & FIW METAL OXIDE (INB)
	(	CAPACITORS
C101 103	2544145005	0.47µF ±20% 50V ELECTROLTYIC
C121,	2531024003	0.01µF +80,-20% 50V CERAMIC
C127, 128	2551121009	0.0068µF 15% 50V PLASTIC FILM
C129	2544164031	220µF 120% 25V ELECTROLYTIC

7				7			
		Ref. No.	Part No.		Part Na	me &	Descriptions
		C131,	2541010007	10µF	120%	10V	TANTALUM
		C133,	2544146004	1μF	±20%	50 V	ELECTROLYTIC
		C135,	2551121041	0.015µF	±5%	50V	PLASTIC FILM
		C137.	2551120000	0.001µF	±5%	50 V	PLASTIC FILM
		C139, 140	2551122011	0.056 <sub>µ</sub> F	±5%	50 V	PLASTIC FILM
		C149, 150	2551120097	0.0056μF	:5%	50V	PLASTIC FILM
		C153, 154	2531024003	0.01µF	+80,-	20% 50	DV CERAMIC
	ı	C181	2531024003	0.01µF	+802	20% 50	OV CERAMIC
		C355, 356	2551121025				PLASTIC FILM
	Ł						1

	<del></del>	
Ref. No.	Part No.	Part Name & Descriptions
C357,		0.022µF ±5% 50V PLASTIC FILM
C612	1	47. 5
C615		47µF ±20% 50V ELECTROLYTIC
616	2544140004	1µF ±20% 50V ELECTROLYTIC
C617	2531024003	0.01#F +80,-20% 50V CERAMIC
~624		S.SIM FBU,-20% SUV CERAMIC
		SWITCHES
SW10:	2 2124330007	SLIDE SW (4-2) REMOTE CARTRIDGE
SW10:	3 2124512003	4P PUSH SW INPUT SEL
SWID	4 2124422009	2P PUSH SW TAPE MONITOR
SW10	5 2124187001	SLIDE SW 14-41 REMOTE
		RECOUT SEL
SW106	5 2124510005	2P PUSH SW S.P.
		OTHER PARTS
1	2221091100	P.W. BOARD
	EP-5667H1	TERMINAL PIN USED 30
	2090008146	JUMPER WIRE P-5mm USED 5
	2090008133	JUMPER WIRE P=7.5mm USED 2
	2090008120	JUMPER WIRE P-10mm USED 100
	2090008117	JUMPER WIRE P=12.5mm USED 10
		1
LE501	3939154008	PRSSSZK-1 (REDI LEO
L301,	2350007007	INDUCTOR
302 PL601	3930083000	PILOT LAMP 16 V 0.04A USED S
-609	153000000	
	4530077708	LAMP COVER (A) USED 7
	4530023207	LAMP COVER (B) USED 1
	1220109007	BLIND SHEET
	4410412200 2034197097	LED HOLDER
	2034197097	3P CONNECTOR CORD
	2034185096	3P CONNECTOR CORD
	2034181074	3P CONNECTOR CORD
	2034181087	3P CONNECTOR CORD 3P CONNECTOR CORD
	2038132016	5P CONNECTOR CORD
RL501	2140037009	RELAY
	2048100009	HEADPHONE JACK
	2036084001	4P CONNECTOR BASE
	2040079002	6P CONNECTOR BASE USED 2
	4140240001	EARTH PLATE
1	2048059008	DIN JACK (SP)
	4170043100	RADIATOR USED 2
1	4730354019	TAPPING SCREW (2) 3x8 USED 2
	2050190036	3P NH CONNECTOR BASE USE D 2
	2050190052	SP NH CONNECTOR BASE
	2050185038	3P MRE HOLDER USED 7
	2050185054	5P WIRE HOLDER
	2030225073	IP CONTACT ASS'Y

### ETC0739N E3 for U.S.A., and EC for Canada (Same as ETC0739B except the followings.)

Ref. Part No. Part Name & Descriptions					
		RESISTORS			
R109,	2412156003	470k ohm:5% 1/4W CARBIN DELETE)			
R171,	2090008120	JUMPER WIRE P= 10mm			
172		CHANGE			
R121, 122	2412090004	820 ohm :5% 1/4W CARBON DELETE			
R149, 150	2412068007	100 ohm :5% 1/4W CARBON DELETE			

#### • PMA-757 ETC0738B TONE & POWER UNIT PARTS LIST

Ref. No.	Part No.	Part Name 8	Descriptions			
	S	EMICONDUCTORS				
TR221,	2750046008	25K170(BL)/(VIOVGS FET				
222 1C301	2630257001	M-5218P (MITSUBIS	SHI) IC			
~304 TR201,	2750046008	2SK170(BL)/(V)DV	GS FET			
202 TH 203	2730235020	2SC1841(E/F)	TRANSISTOR			
~206 TR 207	2710131021	2SA988(E/F)	TRANSISTOR			
~210 TR211,	2730235020	2SC1841(E/F)	TRANSISTOR			
212 TR213,	2730307000	2SC2229(O)/(Y)	TRANSISTOR			
214 TR215,	2710185006	25A949(0)/(Y)	TRANSISTOR			
216 TR301,	2730198015	2SC1815(BL)	TRANSISTOR			
302 TR303,	2730307000	2SC2229(0)/(Y)	TRANSISTOR			
304 TR305,	2710185006	2SA949(0)/(Y)	TRANSISTOR			
306 TR307,	2730226042	2SC2275(Q)/(P)	TRANSISTOR			
308 TR309,	2710123042	2SA985(Q)/(P)	TRANSISTOR			
310 0205	2760049008	182076	DIODE			
~210 0301	2760253001	HZ15-2	ZENER			
~304 0305	2750049008	182076	DIODE			
~308 D309,	2760388002	MV-1YH	DIODE			
310 D311,	2760236031	HZ5C-1	ZENER			
312 D317 ~336	2760049008	1S2076	DIODE			
В	ESISTORS In a s	nciuded Carbon ±5%, 1	IAW Young			
R209,	2420203003	10M ohm ±10% 1/4V				
210	2412314023	4700hm 45% AVAV	COMPOSIT			
777		TO CONTRACT OF TAX				
725		75000mm 223 74T				
727		100 km Z: 140				
121 E		Edwis W				
3.0		There are an	6 (Mg) =			
	and the second s	Target of the Contract of the Care of the				
7() 7()		77100m 33 PM	a Conficulty office			
235 235 248	RESERVED TO	KIMPER WIRE PAID				
2T.		ZZ SIR - 65 1/410 JUMPER WIRE P-100				

Ref. No.	Part No.		Part Na	me & l	Descriptions
ico).	2.00 03020	5578011	1254	311	MENAL ONDE
300 Re05					(VE)) (VE))
303			(65		easton had
3(1)					eareon (73)
3.13 12:13				e .	
78.9 - 350	(1) 27 100				Samon (ib)
हिंद्द्रों च्युक्त	20271000	Ted ahm	10	ILX.	Paredni (Pri
<b>333</b>	211002020	TO THE	1 2 <b>3</b> .5-	W	NETAL DAIDE
ES	33 Person	ींगे के तो	5.	7/57	क्रिज्ञालय (प्रक्री)
5.59	212020003	91722 3 iii	15.	277	MENAL DAIDE
3,511	ZIEKOO	<b>CO</b> TAN		VAN	NEW (VE)
422	2110424000	VACUAR.	1 5 0 5	CISTO	R 100k ohm MAIN
VR201 VR202	2110424008 2110198004	1			R 250k ohm BALANCE
VR203	2110309107	VARIAB	LE RE	ESISTO	R 50k ohm TREBLE
VR204	2110309110	VARIAB	LERE	SISTO	R 100k ohm BASS
VR301, 302	2116025087	SEMI-IF	XED A	ESIST	OR 4.7k ohm IDLE
VR303, 304	2116025016	SEMI-IF	X E D A		OR 100 ohm DISTORTION
CA	PACITORS (not	included Ce	ramic	±5%, ±	10%, 50V Type)
C201,	2551122040	0.1µF	±5%	50V	PLASTIC FILM
202 C203,	2551122037	0.082µF	±5%	50V	PLASTIC FILM
204 C207,	2551120000	0.001µF	±5%	50V	PLASTIC FILM
208 C209,	2551120084	0.0047µF	±5%	50V	PLASTIC FILM
210 C213,	2544146004	1μF	±20%	50V	ELECTROLYTIC
214 C215,	2554079048	0.01µF	±5%	100V	PLASTIC FILM
216	2534269001				/ CERAMIC
C217, 218					ELECTROLYTIC
C219, 220	2544181001				
C223, 224	2551121009				PLASTIC FILM
C225, 226	2551122011	0.056µF	±5%	50V	PLASTIC FILM
230	2551120013	0.0012µF	±5%	50 V	PLASTIC FILM
C231,	2551121096	0.039 <sub>µ</sub> F	±5%	50 V	PLASTIC FILM
232 C233,	2551122095	0.27µF	±5%	50V	PLASTIC FILM
234 C239,	2543016067	10μF	120%	50V	ELECTROLYTIC
240	2544181001	1µF	*30.ex	1007	(B. POLE) ELECTROLYTIC
C241, C243	2544181001				ELECTROLYTIC
<b>301</b>	2544089002	100E	*30%	EOV/	ELECTROLYTIC

Ref. No.	Part No.	Part Name & Descriptions					
		CAPACI	rons				
C106,	2533639001	330pF	±5%	CERAMIC			
107					(DELETE)		
C121,	2531024003	0.01µF	+80	-20% 5	OV CERAMIC		
122					(DELETE)		
C125,	2533645008	560pF	±5%	50 V	CERAMIC		
126		1			(DELETE)		
C127,	2551120084	0.0047µF	±5%	50 V	PLASTIC FILM		
128					(CHANGE)		
C155,	2533643000	470pF	±5%	50V	CERAMIC		
156	05005000				(DELETE)		
C171.	2533636004	240pF	±5%	50 V	CERAMIC		
172 C173.	2533627000	100oF		501	(OELETE)		
174	2533627000	100pF	±5%	50V	CERAMIC		
C175	2533629008	120oF	±5%	50V	· (DELETE)		
0,75	2333023008	12007	23%	50 V	(DELETE)		
C176	2533631009	150pF	±5%`	50\/	CERAMIC		
00	2333031003	1305.	-54	3.) V	(DELETE)		
C177	2531054031	0.001245	+10%	50V	CERAMIC		
		0.00722.	2 (0)	50 1	(DELETE)		
					10000101		
-		OTHER PA	RTS				
	2030225073	1P CONT	ACT A	SS'Y	(DELETE)		
	2048059008	DIN JACK	(5P)		(DELETE)		
İ	2090008120	JUMPER	WIRE	P=10m	m USED 102		
					(CHANGE)		

### ETC0739M E1 for Asia (Same as ETC0739B except the followings.)

	Ref. No.	Part No.	Part Name & Descriptions						
ļ			RESISTORS						
I	R109,	2412156003	470k ohm±5% 1/4W CARBON (DELETE)						
ı	R121,	2412090004	820 ohm ±5% 1/4W CARBON						
ı	122		(CHANGE)						
L	1 R149,	2412068007	100 ohm ±5% 1/4W CARBON						
3	(CHANGE)								
ŧ	R171.	2090008120	JUMPER WIRE P=10mm						
ľ	172		(CHANGE)						
ľ									
ı		1							
		CAPACITORS							
П	C106,	2533639001	330pF ±5% 50V CERAMIC						
П	107		(DELETE)						
	C155,	2533643000	470pF ±5% 50V CERAMIC						
	156		(DELETE)						
	C125,	2533645008	560pF ±5% 50V CERAMIC						
	126		(DELETE)						
-	C127,	2551120084	.0.0047 F ±5% 50V PLASTIC FILM						
- [	128		(CHANGE)						
- 1	C121,	2531024003	0.01µF +8020% 50V CERAMIC						
1	122	1	(DELETE)						
-	C177	2531054031	0.0012µF ±10% 50V CERAMIC						
1	1		(DELETE)						
1	C171.	2533636004	240pF ±5% 50V CERAMIC						
1	172	[	(DELETE)						
l	C173.	2533627000	100pF 15% 50V CERAMIC						
L	174		(DELETE)						

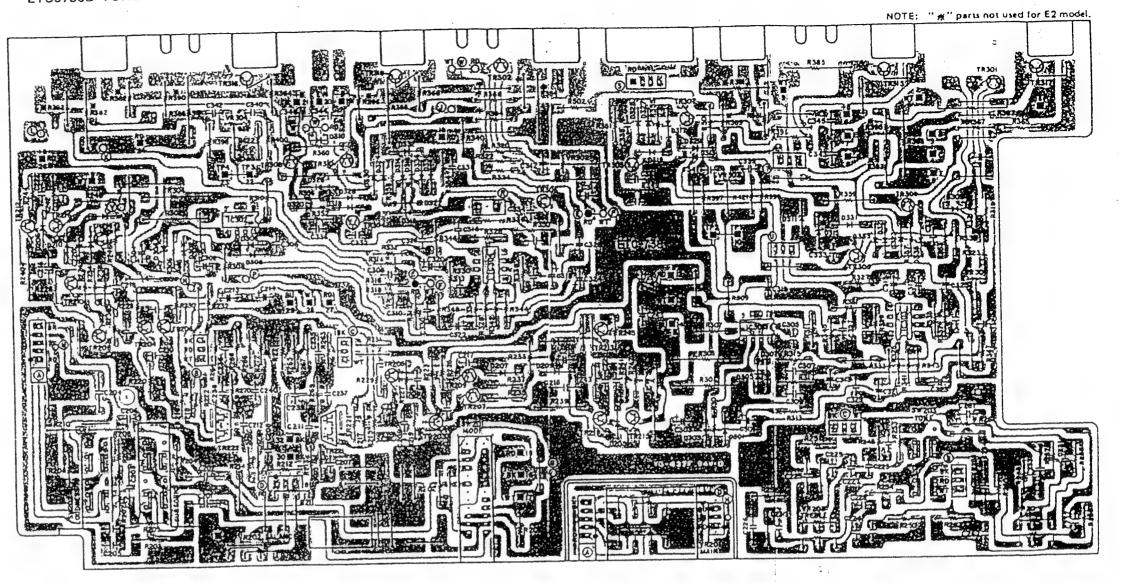
Ref. No.	Part No.	Part Name & Descriptions					
C175	2533629008	120pF	±5%	50V	CERAMIC (DEL	ETEI	
C176	2533631009	150pF	±5%	50V	CERAMIC (DEL		
		OTHERP	ARTS				
	2030225073 2048059008 2090008120	1P CONT DIN JAC JUMPER	K (5P)		(DELE	TE	

### ETC0739P EA for Australia and EK for U.K. (Same as ETC0739B except the followings.)

Ref.	Part No.	Part Name & Descriptions
140.		RESISTORS
R121,	2412090004	820 ohm ±5% 1/4W CARBON (CHANGE)
R149,		100 ohm ±5% 1/4W CARBON (CHANGE)
R171, 172	2090008120	JUMPER WIRE P=10mm (CHANGE)
		CAPACITORS
C106,	2533639001	330pF ±5% 50V CERAMIC DELETE)
C155, 156 C125,	2533643000 2533645008	470pF ±5% 50V CERANIC (DELETE) 560pF ±5% 50V CERANIC
126 C127, 128	2551120084	(DELETE) 0.0047µF±5% 50V PLSTICFILM (CHANGE)
C121,	2531024003	0.01µF +80,-20% 50V CERAMIC (DE LETE)
C177	2531054031 2533636004	0.0012µF±5% 50V CERANIC (DE LETE) 240pF ±5% 50V CERANIC
172 C173,	2533627000	240pF ±5% 50V CERAMIC (DE LETE) 100pF ±5% 50V CERAMIC
174 C176	2533631009	(DE LETE) 150pF ±5% 50V CERAMIC
C175	2533629008	(0E LETE) 120pF ±5% 50V CERAMC (0E LETE)
		OTHER PARTS
	2030225073 2090008120	1P CONTACT ASS'Y (DEL ETE) JUMPER WIRE P=10mm USED102 (CHANGE)

### ETC0738B TONE & POWER UNIT

ief.	Part No.	Part Name & Descriptions
11	2544146004	1µF 120% 50V ELECTROLYTIC
	2551120026	0.0015#F±5% 50V PLASTIC FILM
130	2534482008	33pF ±5% 500V CERAMIC
334	2551121025	0.01µF ±5% 50V PLASTIC FILM
342 343 346	2561030070	0.1#F ±5% 100V PLASTIC FILM
		SWITCHES
W201 W202 W203	2120221000 2124511004 2124462001	ROTARY SWITCH MODE 2P PUSH SWITCH LOUD, SUB 1P PUSH SWITCH DIRECT
		OTHER PARTS
	2221090101 EP-5667H1 2090008120 2030230039 2050185038 2050185054 4711303018 4756006008	P.W. BOARD TERMINAL PIN USED 40 JUMPER WIRE P-10mm USED 50 1P CONNECTOR 3P WIRE HOLDER USED 6 4P WIRE HOLDER 5P WIRE HOLDER USED 2 3x6 CPS USED 2 3N USED 2



#### ETC0738M E1 for Asia (Same as ETC0738B except the followings.)

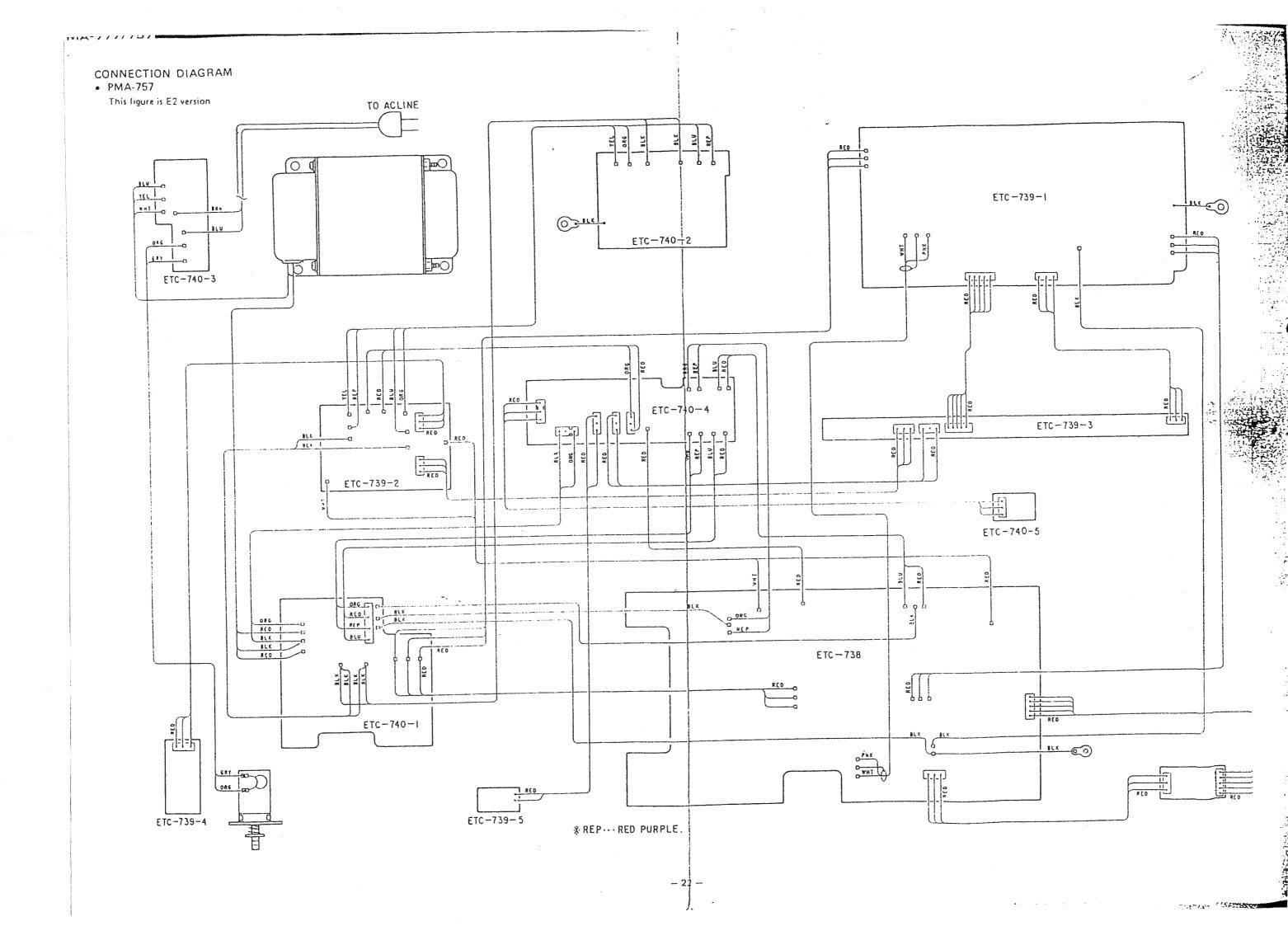
Ref. No.	Part No.	Part	Name	& De	eriptio	ons	_
	S	EMICONDUC	TORS				
D313 ~316	2760236031	HZ5C-1	21	NER		(ADD)	
		RESISTOR	s				_
R219,	2412065000	75 ohm ±!				ICHANG	
	241[2521032]	C. TACITO		4W.	ARB	ON (NB) (ADD)	
1	Areograms	(PEECON)			MEYA	IAOD: ONIRE	
AR38	20221016	24(0)mi	13. 1			ADON	

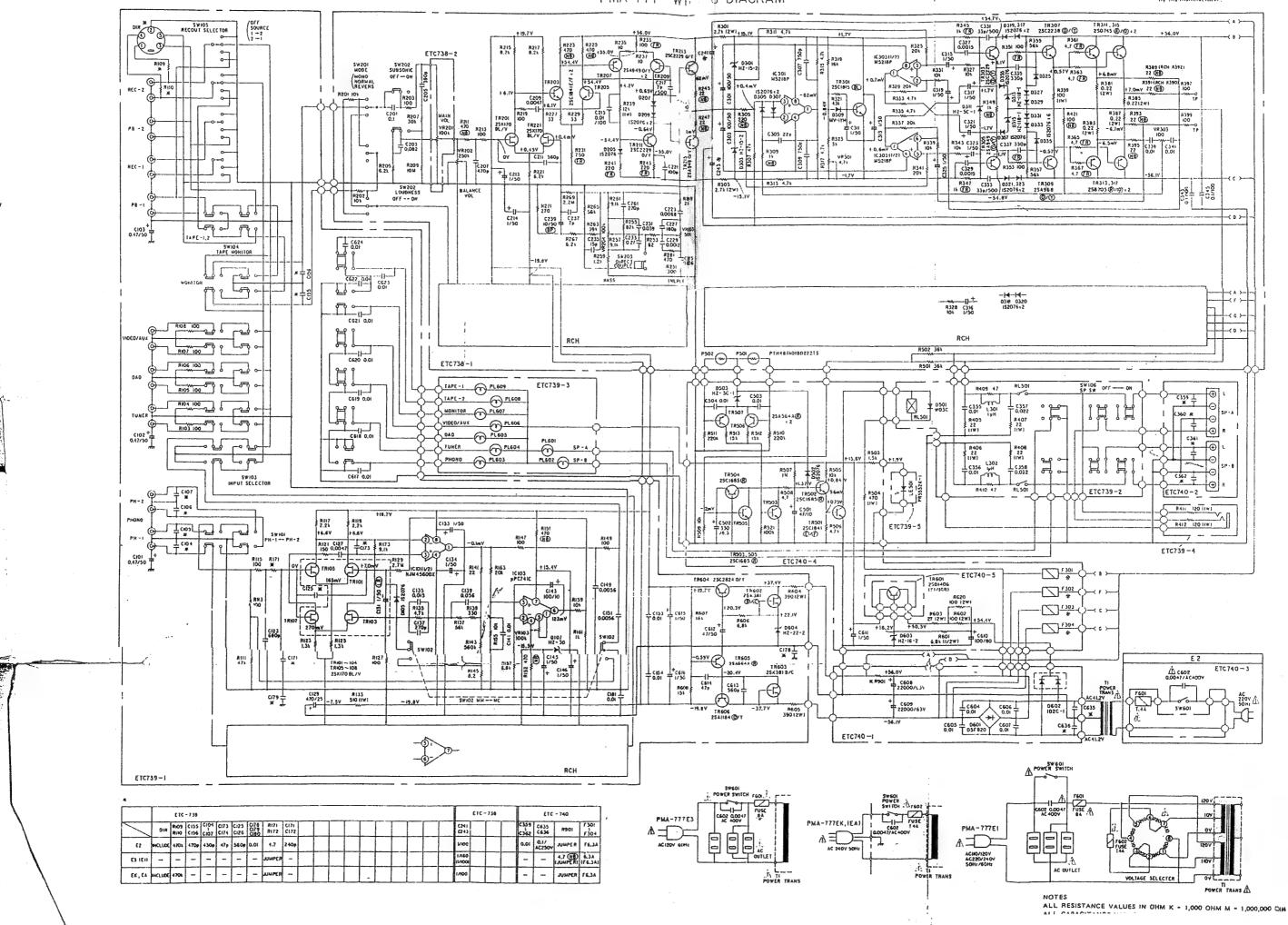
ETC0738N E3 for U.S.A., and EC for Canada (Same as ETC0738B except the followings.)

Ref. No.	Part No.		Part Na	me & D	script	ions
	S	EMICOND	UCTO	RS		
D313 ~316	2760236031	HZ5C-1		ZENE	R	(ADD)
		RESIST	ORS			
R219,	2412065000	75 ohm				CHANGE
	2412321032	149 Cam		JUW,	CAR	ON(NE). (ADD)
	2004099000	wiz on				R(ADD)SS
	KIE GOOD	Zam		IKW.	(CA)	IONI(NE) (ADD)
		CAPACITO	RŞ			
C241,	2544203002	1µF	120%	160V	ELEC	TROLYTIC

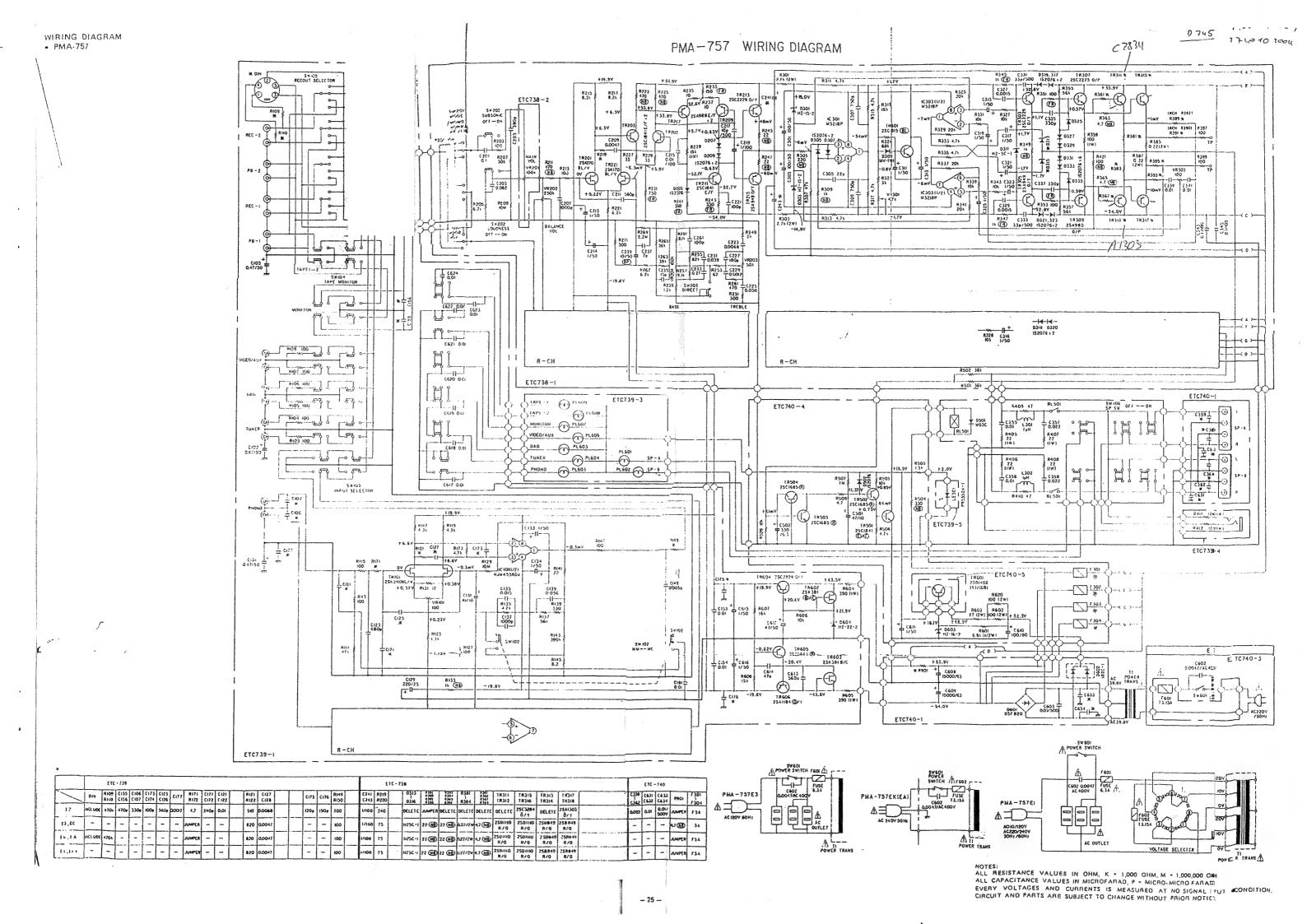
ETC0738P EA for Australia and EK for U.K. (Same as ETC0738B except the followings.)

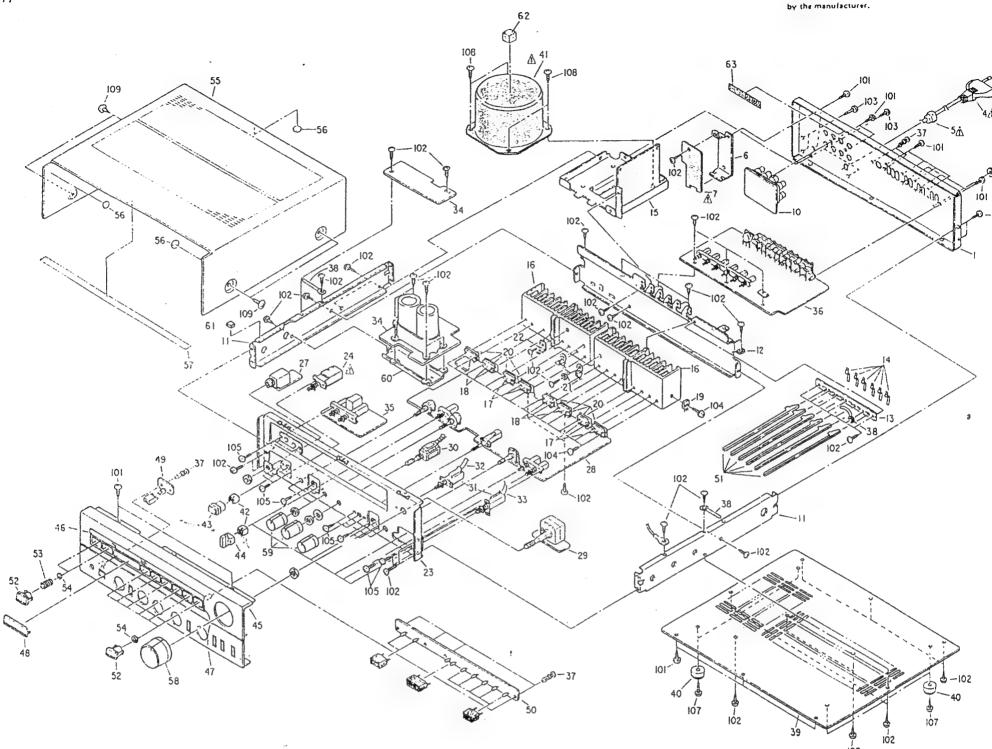
Same a	15 E   CU/365	except un	2 101101111193	
Ref. No.	Part No.	Part	Name & Descr	iptions
	S	EWICONDUC.	rors	
0313 ~316	2760236031	HZ5C-1	ZENER	(ADD)
		RESISTOR	s	
R219, 220	2412065000	75 ohm ±		ICHAIGE!
1183. 1077. 1077.	S \$555 1032	(9) Chin	t im.e.	HEORIUM)
y.E3:				14.00
100	र स्टिअप्र	ZCiti f	is itire.	(400
	<u> </u>			





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Note: 1. See addendom list below for the parts with asterisk (\*) on the Ref. No. and the other parts not included in this list.
2. The list is prepared based on E2 Silver Version
3. a Marked not included EXPLODED VIEW.
4. o Marked same as PMA-757E2.

EXPLODED VIEW OF PARTS LIST

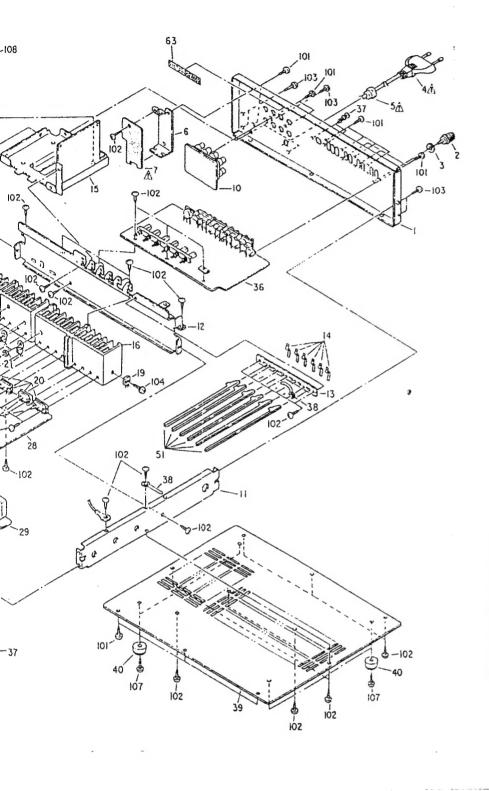
	ef.	Part Ne.	Part Name & Descriptions
	• 1	1050626307	BACK PANEL
٠	2	2050071016	TERMINAL ASS'Y
4	3	4770018001	WASHER (P-87)
		Charles Co.	Control (Sec.)
•	-6	4410455005	PWB BRACKET
	121	THE PROPERTY.	Africa Stabilitation of the State of the Sta
•	*8	5130716023	FTZ LABEL
8	*9	5138253009	APPROVAL MARK
	10	ETC0740-2	SP TERMINAL UNIT
•	11	4120733606	SIDE CHASSIS
•	12	4110375317	MAIN CHASSIS
•	13	4410378108	SHEET
•	14	4630337000	SPRING
۰	15	4110334206	TRANS CHASSIS ASS'Y
	16	4170153401	POWER RADIATOR
	17	2740102004	TRANSISTOR 2SD745(R/Q)
	18	2720073001	TRANSISTOR 2SB705(R/Q)
	19	2740088018	TRANSISTOR 25D1406(Y)/(GR)
	20	4150291008	INSULATING SHEET (S-27)
	21	2760289004	POSISTOR (PTH487A018D222TS)
•	22	4410411104	PCB BRACKET
•	23	4110429302	FRONT CHASSIS
,		26180030	TPUSH SWITCH([FOH PISW) TV IST
•	<b>*26</b>	4450033005	WIRE CLAMP BAND USED 36
•	• 27	ETC0739-4	HEADPHONE JACK UNIT
	*28	ETC0738-1	TONE & POWER UNIT

Rel. No.	Part No.	Part Name & Descriptions		
•29	ETC0738-2	MAIN VR UNIT		
o 30	2120222009	ROTARY REMOTE		
o 31	2124484005	1P-PUSH REMOTE		
• 32	4350052005	FLEXIBLE SLIDER (MM-MC)		
33	4350052021	FLEXIBLE SLIDER (PHONO 1-2)		
*34	ETC0740	P.S & PROT. UNIT		
*35	ETC0739-2	SPEAKER SW UNIT		
*36	ETC0739-1	INPUT & EQ. UNIT		
• 37	4770096007	PUSH RIVET		
98	EP-6214	CORD HOLDER		
° 39	1050450609	BOTTOM COVER		
o 40	1040110001	FOOT		
1141	23354880075	POWERTHANS		
· 42	1140056007	FLEXIBLE RING		
0 .43	1130515134	PUSH KNOB (A)		
0 *44	1130450118	PUSH KNOB (B) ASS'Y		
*45	1441257000	FRONT PANEL ASS'Y		
o 46	1430297013	WINDOW		
0 47	1460556106	WINDOW PANEL		
~48	1441256001	ESC. PLATE		
0 .40	€TC0739-5	LEDUNIT		
" *50	ETC0739-3	LAMP UNIT		
4 51	4121069007	CONNECTING BHACKET		
a ·52	1130415218	PUSH-KNOB (C)		
o 53	4630274011	SPRING		
o 54	1220039012	SPACER		
۰ *55	1020183100	TOP COVER		

Ref. No.	Part No.	Part Name & Descriptions
o 56	1040034006	STOPPER
o 57	1220069008	SPACER
o 158	1120415011	KNOB (A)
• '59	1120416010	KNOB (B)
o 60	4120952102	CONDENSER BRACKET
o 61	4610223024	RUBBER SHEET
62	4610223011	AUBBER SHEET
o 63	1220069066	SPACER
64	ļ	
65	}	
66		
67		
68	1	
69	]	
70		
PACKIN	IG & ACCESSOR	IES (not included EXPLODED VIEW)
o, *a.	5040084007	SET COVER
o *b.	5030456001	CUSHION
• с.	5111253107	INST. MANUAL
o d,	5139111001	COLOR LABEL (GOLD)
an,	5130295009	CONTROL CARD
-1.	5010916037	CARTON CASE

Ref. No.	Part No.	Fart Name & Descriptions	017
		SCREWS & NUT	
o *101	4730354035	TAPPING SCREW (2) 3×8	22
• 102	4730354019	TAPPING SCREW (2) 3×8	33
• 103	4770064107	FIXING SCREW	6
104	4700011023	PAN SCREW WITH W. SPW 3x 10	17
• 105	4711303018	PAN SCREW 3x6	13
• 107	4730804035	TAPPING SCREW (2) 3x14	4
9 108	4700031016	TAPPING SCREW WITH TWE	4
		4×10	1
• 109	4734801005	TAPPING SCREW (TRUS) 4x8	4
110			
111			
112		1	
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1		1	
!	1		
	!		1
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	1		Ì

Means important safety item, which must be replaced, when necessary, by a part specified or meeting the specification by the manufacturer.



Part Name & Descriptions
OPPER ACER OB (A) OB (B) NDENSER BRACKET BBER SHEET BBER SHEET
Inol included EXPLODED VIEWI
T COVER

(not included EXPLÓDED VIEW)
ET COVER
USHION
NST. MANUAL
OLOR LABEL (GOLD)
ONTHOL CAHD
AHTON GASE

Rel. No.	Part No.	Part Name & Descriptions	01,	
SCREWS & NUT				
. 101	4730354035	TAPPING SCREW (2) 3×8	22	
. 102	4730354019	TAPPING SCREW (2) 3×8	33	
• 103	4770064107	FIXING SCREW	6	
104	4700011023	PAN SCREW WITH W. SPW 3x 10	17	
• 105	4711303018	PAN SCREW 3x6	13	
• 107	4730804035	TAPPING SCREW (2) 3x14	4	
• 108	4/00031016	TAPPING SCREW WITH TWE	4	
		4x10		
• 109	4734801005	TAPPING SCREW (TRUS) 4x8	4	
110		1		
111		1		
112			1	
		1	1	
	1			
		İ		
	1		1	

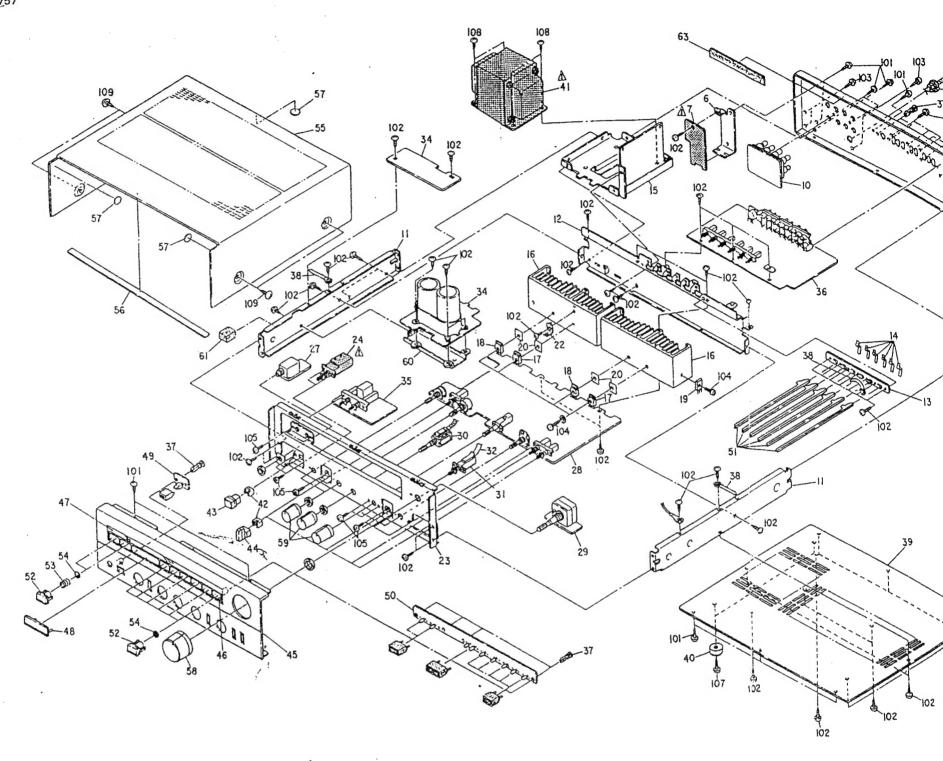
#### ADDENDUM LIST

Ref.				Part		FA for Australia	EV deall w
No.	Part Name & Descriptions	E1 for			J.S.A.	477.707.744.14	EK for U.K.
		Gold Version	Black Version	Gold Version	Black Version	Gold Version	Black Version
1	BACK PANEL	1059005000	1059005000	1059002003	1059002003	1050626307	1050626037
		Additional and	Alenteiner	Sherer Bas	100000000000000000000000000000000000000		
				2 10 10 00 m	410.000	SOUTH RESPONSIBLE	11.00
7	AC FUSE UNIT	-	-	ETC0740-E3	ETC0740-E3	ETC0740-F3	ET00740-F3
*8	FTZ LABEL APPROVAL MARK	_	_		_	_	_
10	SP TERMINAL UNIT	ETC0740-D2	ETC0740-D2	ETC0740-E2	ETC0740-E2	ETC0740-F2	ETC0740-F2
173	THE PROPERTY OF THE PROPERTY OF THE PARTY OF	Rekarding.	Section of the	Total Control	Constitution of		distante de la constitución de l
100	क कर महरकार संग्रेत कार्या विश्व होता	richten att	A. A. S. S. S. S. S. S. S. S. S. S. S. S. S.		and country		20130000
27	HEADPHONE JACK UNIT	ETC0739-04 ETC0738-0	ETC0739-04 ETC0738-0	ETC0739-E4 ETC0738-E	ETC0739-E4 ETC0738-E	ETC0739-F4 ETC0738-F	ETC0739-F4 ETC0738-F
29	MAIN VR UNIT	ETC0738-D2	ETC0738-D2	ETC0738-E2	ETC0738-E2	ETC0738-F2	ETC0735-F2
34	P.S & PROT. UNIT	ETC0740-D	ETC0740-D	ETC0740-E	ETC0740-E	ETC0740-F1	ETC0740-F1
35	SPEAKER SW UNIT	ETC0739-D2	ETC0739-D2	ETC0739-E2	ETC0739-E2	ETC0739-F2	ETC0739-F2 .
36	INPUT & EQ. UNIT	ETC0739-01	ETC0739-D1	ETC0739-E1	ETC0739-E1	ETC0739-F1 4770096007	ETC0739-F1 4770096007
37	PUSH RIVET	EX. 1961 1007 1007	22300 0002	223396120051888	223161200620	23333338007	E2135-180007
43	PUSH KNOB (A)	1130515134	1130515121	1130515134	1130515121	1130515134	1130515121
44	PUSH KNOB (H) ASS'Y	1130450118	1130636000	1130450118	1130636000	1130450118	1130636000
45	FRONT PANEL ASS'Y	1441257000	1441257026	1441257000	1441257026	1441257000	1441257026
48 49	ESC. PLATE	1441256001 ETC0739-05	1441256027 ETC0739-05	1441256001 ETC0739-E5	1441256027 ETC0739-E5	1441256001 ETC0739-F5	1441256027 ETC0739-F5 U
50	LED UNIT	ETC0739-03	ETC0739-03	ETC0739-E3	ETC0739-E3	ETC0739-F3	ETC0739-F3
52	PUSH KNOB (C)	1130415218	1130415721	1130415218	1130416221	1130415218	1130415221
55	TOP COVER	1020183100	1020183016	1029001005	1029001018	1020183100	1020183016
58 59	KNOB (A)	1120415011	1120415024	1120415011	1120415024	1120416010	1120416023
, 64	CAPACITOR 0.01#F/50V	-	-	-	-		-
,							
101	TAPPING SCREW (7) 3×8	4730354035(22)	4730354035(22)	4730354035(24)	4730354035(24)	4730354035(22)	4730354035(22)
109	TAPPING SCREW (TRUS) 4×8	4734801005(4)	4734454038(4)	4734801005(4)	4/24424078(4)	4/34801005147	4734454000(4)
							:
150	PAN SCREW WITH S.W 3×8	4700042005(4)	4700042005(4)	-	-	-	-
	BLACK						:
151	NUT M3	4756006008(2)	4756006008(2)	-	-	-	- ;
152	WASHER 65 BLACK		-	4751006016(8) 4734460035(8)	4751006016(8)	_	_ · · ;
153	TAPPING SCREW (TRUS) 4×20 BLACK		_	4754460035(8)	4/34400035(6)		
154	TOOTH WASHER #3	_	_	-	_	4753001051(8)	4753001051(8)
155	ST LUG		-	-	-	2050003107(1)	2050003107(1)
156	TOOTH WASHER #4	-	-	-	-	4753100004(8)	4753100004(8)
400	en date son der kontrolleren.	2203000008	2013000000	2013900008			
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			2270112101 2270112101 2270112121 237022002	-00000000	ensymbolis		
*205 *206	EISE A SUSTINA FUSE LABEL FUSE LABEL	5130654062 5130654075	5130654062 5130654075	- -			
	EISE A SUSTINA FUSE LABEL FUSE LABEL	5130654062 5130654075	5130654062 5130654075	-	2015/020003: 	=	
•206 •208	FUSE LABEL FUSE LABEL TVDETACESECTIVE FUSE LABEL	5130654062 5130654075	5130654062 5130654075	5139115007	5139115007		
•206 •208 •209	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL	5130654062 5130654075	5130654062 5130654075	5139115007 5130607019	5139115007 5130607019	=	
•206 •208 •209 •210	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUSE CABEL RUSBER SHEET	5130654062 5130654075	5130654062 5130654075	5139115007 5130607019 4610066139	5139115007	<u>-</u>	
•206 •208 •209	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL	5130654062 5130654075	5130654062 5130654075	5139115007 5130607019	5139115007 5130607019 4610066139	- - - - -	
•206 •208 •209 210 •211 212 213	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET OANGEROUS MARX SERIAL NO, PLATE RIVET	5130654062 5130654075	5130654062 5130654075 512055006	5139115007 5130607019 4610068139 5138266009 5130885022 4770126016	5139115007 5130607019 4610056139 5138266009 5130885022 4770126016	- - - - - - -	
*206 *208 *209 210 *211 212 213 714	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET OANGEROUS MARK SERIAL NO, PLATE RIVET WOOD BOARD (R)	5130654062 5130654075	\$130654082 \$130654075	5139115007 5130607019 4610068139 5138266009 5130885022 4770126016 1011469008	5139115007 5130607019 4610056139 5138266009 5130885022 4770126016 1011469008	- - - - - - - - -	
*206 *208 *209 *210 *211 *212 *213 *214 *215	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (R) WOOD BOARD (L)	5130654062 5130654075	\$130654062 \$130654075 H20180003	5139115007 5130607019 4610068139 5138266009 5130885022 4770126016 1011469008 1011470000	5139115007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008	- - - - - - - - - -	
•206 •208 •209 210 •211 212 213 714 215 216	FUSE LABEL FUSE LABEL VDTACESELSAV FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO. PLATE RIVET WOOD BOARD (R) WOOD BOARD (L) FELT SHEET	5130654062 5130654075	\$130654082 \$130654075	5139115007 5130607019 4610068139 5138266009 5130885022 4770126016 1011469008	5139115007 5130607019 4610056139 5138266009 5130885022 4770126016 1011469008	- - - - - - - - - - - - - - - - - - -	
*206 *208 *209 *210 *211 *212 *213 *214 *215	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (R) WOOD BOARD (L)	5130654062 5130654075	\$130654062 \$130654075	5139115007 5130607019 4610068139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015	- - - - - - - - - - - - - - - - - - -	
*206 *208 *209 210 *211 212 213 714 215 216 *217 *218 *219	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE ABEL  5130654062 5130654075	\$130654082 \$130854075	513915007 5130607019 4610066139 5138266009 5130885022 4770126015 1011469008 1011470000 1240032015 5130784000	5139115007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000		] 	
*206 *208 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *219 *220	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (II) WOOD BOARD (L) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL	5130654062 5130654075	\$130654062 \$130654075	513915007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000		5130352708
*206 *208 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *219 *220 *221	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET OANGEROUS MARK SERIAL NO, PLATE RIVET WOOD BOARD (R) WOOD BOARD (L) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET	5130654062 5130654075	\$130654062 \$130654075 H2018003	513915007 5130607019 4610066139 5138266009 5130885022 4770126015 1011469008 1011470000 1240032015 5130784000	5139115007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000		- - - - - - - - 5130352098 5130348006
*206 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *219 *220 *221 *222	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARK SERIAL NO, PLATE RIVET WOOD BOARD (R) WOOD BOARD (L) FELT SHEET NOTICE SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL	5130654062 5130654075	\$130654062 \$130654075	513915007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5139115007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130210008 5130210008 5130362008 513034006 5130140000	5130352008 5130342006 5130142000
*206 *208 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *219 *220 *221	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET OANGEROUS MARK SERIAL NO, PLATE RIVET WOOD BOARD (R) WOOD BOARD (L) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET	5130654062 5130654075	\$130654062 \$130654075	513915007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5139115007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000		- - - - - - - - 5130352098 5130348006
*206 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *219 *220 *221 *222 *223	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARK SERIAL NO, PLATE RIVET WOOD BOARD (R) WOOD BOARD (L) FELT SHEET NOTICE SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL	5130654062 5130654075	\$130654062 \$130654075	513915007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5139115007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130210008 5130210008 5130348006 5130140009	5130352008 5130342006 5130142000
*206 *208 *208 *209 *211 212 213 714 215 216 *217 *218 *219 220 221 222 223 224	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARK SERIAL NO, PLATE RIVET WOOD BOARD (R) WOOD BOARD (L) FELT SHEET NOTICE SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL	5130654062 5130654075	\$130654062 \$130654075	513915007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5139115007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130210008 5130210008 5130362008 513034006 5130140000	5130352008 5130342006 5130142000
*206 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *219 *220 *221 *222 *223 *224 *225	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (II) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET	5130654062 5130654075 212018006 	\$130654062 \$130654075	513915007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130210008 5130310008 5130348006 5130140000	5130352008 5130342006 5130142000 5130284006
*206 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *218 *219 *220 *221 *222 *223 *224 *225	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (R) WOOD BOARD (L) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET	5130654062 5130654075 FTX0T5018-1	\$130654062 \$130654075 	5139115007 5130607019 4610066139 5130266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130210008 5130210008 5130348006 5130140009	5130352008 5130342006 5130142000
*206 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *219 *220 *221 *222 *223 *224 *225	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (II) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET	5130654062 5130654075 212018006 	\$130654062 \$130654075 	513915007 5130607019 4610066139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130210008 5130310008 51303140000	5130352008 5130352008 5130342006 5130342006 5130364006
*206 *208 *209 *210 *211 *212 *213 *214 *215 *217 *218 *217 *218 *219 *220 *221 *222 *233 *24 *225	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET OANGEROUS MARK SERIAL NO, PLATE RIVET WOOD BOARD (R) WOOD BOARD (L) FELT SHEET INDICATION SHEET NOTICE SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET	5130654062 5130654062 5130654075 	\$130654062 \$130654075 	5139115007 5130607019 4610066139 5130286009 51302885022 4770126018 1011459008 1011470000 1240032015 5130784000 ——————————————————————————————————	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130209006 5130210008 5130348006 5130348006 5130140000	5130352008 5130342006 5130142000 5130142000 5130142000
*206 *207 *208 *209 *210 *211 *212 *213 *214 *215 *219 *220 *221 *222 *223 *224 *225 *23 *4 *4 *4 *4 *4 *4 *4 *4 *4 *4 *4 *4 *4	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (II) WOOD BOARD (II) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET  SET COVER CUSHION COLOR LABEL (GOLD)	5130654062 5130654062 5130654075 	\$130654062 \$130654075 	5139115007 5130607019 4610066139 5130286009 51302885022 4770126018 1011459008 1011470000 1240032015 5130784000 ——————————————————————————————————	5139115007 5130607019 4610066139 5138266009 5130885022 4770126016 1011459008 1011470000 1240037015 5130784000	5130209006 5130210008 5130310008 5130348006 5130140000	5130352008 5130352008 5130342006 5130342006 5130342006
*206 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *219 *220 *221 *222 *223 *224 *225	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (II) WOOD BOARD (II) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET  SET COVER CUSHION COLOR LABEL, GOLO) CONTROL CARC	5040084007 5030456001 5040084007 5040084007	\$130654062 \$130654075 	5139115007 5130607019 4610066139 5130266009 5130285022 4770126016 1011469008 1011470000 1240032015 5130784000 ——————————————————————————————————	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130209006 5130210008 5130348006 5130348006 5130140000	5130352008 5130342006 5130142000 5130142000 5130142000
*206 *207 *208 *210 *211 *212 *213 *214 *215 *216 *217 *218 *220 *221 *220 *221 *222 *223 *224 *225	PUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (II) WOOD BOARD (II) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET  SET COVER CUSHION COLOR LABEL (GOLO) CONTROL CARC CARTON CASE	5040084007 5030456001 5040084007 5040084007	\$130654062 \$130654075 \$1208000 	5139115007 5130607019 4610066139 5130266009 5130285022 4770126016 1011469008 1011470000 1240032015 5130784000 ——————————————————————————————————	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130209006 5130210008 5130348006 5130348006 5130140000	5130352008 5130342006 5130142000 5130142000 5130142000
*206 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *219 *220 *221 *222 *223 *224 *225	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (R) HOOD BOARD (L) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET SET COVER CUSHION COLOR LABEL (GOLD) CONTROL CARC CARTON CASE	5040084007 5040084007 5040084007 5040084007 5030456001 5010916037	\$130654062 \$130654075 	5139115007 5130607019 4610066139 5130266009 5130285022 4770126016 1011469008 1011470000 1240032015 5130784000 ——————————————————————————————————	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130209006 5130210008 5130348006 5130348006 5130140000	5130352008 5130342006 5130342006 5130342006 5130342006
*206 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *220 *221 *220 *221 *222 *223 *224 *225	PUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (II) WOOD BOARD (II) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET  SET COVER CUSHION COLOR LABEL (GOLO) CONTROL CARC CARTON CASE	5040084007 5030456001 5040084007 5040084007	\$130654062 \$130654075 \$130654075 \$130654075 \$130654075 \$130654007 \$130654007 \$130654001 \$130654001	5139115007 5130607019 4610066139 5130266009 5130285022 4770126016 1011469008 1011470000 1240032015 5130784000 ——————————————————————————————————	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240032015 5130784000	5130209006 5130209006 5130210008 5130348006 5130348006 5130140000	5130352008 5130342006 5130342006 5130342006 5130342006
*206 *277 *208 *210 *2110 *2117 *2118 *217 *218 *217 *218 *220 *221 *222 *225 *224 *225 *218 *219 *221 *222 *221 *222 *225 *221 *222 *225 *225	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (II) WOOD BOARD (II) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET CAUTION SHEET CAUTION SHEET CAUTION SHEET CAUTION SHEET COURA CUSHION COLOR LABEL (GOLO) CONTROL CARD CARTON CASE  COLOR LABEL (BLACK) WARRANTY IN ENVELOPE PROTECTOR SHEET SAFETY INSTRUCTION	5040084007 5030456001 5040084007 5040084007 5030456001 5010916037	\$130654062 \$130654075 \$130654075 \$130654075 \$130654005 \$139111014 \$139111014 \$158053108	5139115007 5130607019 4610066139 5130266009 5130285022 4770126016 1011469008 1011470000 1240032015 5130784000 	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011459008 1011470000 1240032015 5130784000	5130209006 5130209006 5130210008 5130348006 5130348006 5130140000	5130352008 5130342006 5130342006 5130342006 5130342006
*206 *207 *208 *209 *210 *211 *215 *217 *218 *219 *220 *221 *222 *225 *225 *225 *225 *225 *225	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (R) WOOD BOARD (R) WOOD BOARD (L) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET CAUTION SHEET CAUTION SHEET CAUTION SHEET CAUTION SHEET SET COVER CUSHION CONTROL CARC CARTON CASE  COLOR LABEL (BLACK) WARRANTY IN ENVELOPE PROTECTOR SHEET SAFETY INSTRUCTION FAUTT	5040084007 5040084007 5040084007 5040084007 5030456001 5010916037	\$130654062 \$130654075 112080003 	5139115007 5130607019 4610066139 5130266009 5130285022 4770126016 1011469008 1011470000 1240032015 5130784000 	5139115007 5130607019 4610065139 5138266009 5130885022 4770126016 1011469008 1011470000 1240037015 5130784000	5130209006 5130210008 513032008 513032008 5130348006 5130140000	5130352008 5130342006 5130342006 5130342006 5130342006
*206 *208 *209 *210 *211 *212 *213 *214 *215 *216 *217 *218 *220 *221 *220 *221 *222 *223 *224 *225	FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL FUSE LABEL RUBBER SHEET DANGEROUS MARX SERIAL NO, PLATE RIVET WOOD BOARD (II) WOOD BOARD (II) FELT SHEET INDICATION SHEET NOTICE SHEET VOLTAGE LABEL BLIND SHEET EARTH LABEL CAUTION SHEET CAUTION SHEET CAUTION SHEET CAUTION SHEET CAUTION SHEET COURA CUSHION COLOR LABEL (GOLO) CONTROL CARD CARTON CASE  COLOR LABEL (BLACK) WARRANTY IN ENVELOPE PROTECTOR SHEET SAFETY INSTRUCTION	5040084007 5030456001 5040084007 5040084007 5030456001 5010916037	\$130654062 \$130654075 \$130654075 \$130654075 \$130654005 \$139111014 \$139111014 \$158053108	5139115007 5130607019 4610066139 5130266009 5130285022 4770126016 1011469008 1011470000 1240032015 5130784000 	5139115007 5130607019 4610066139 5138266009 5130885022 4770126016 1011459008 1011470000 1240037015 5130784000	5130209006 5130209006 5130210008 5130348006 5130348006 5130140000	5130352008 5130342006 5130342006 5130342006 5130342006

BLACK VERSION PARTS LIST (Same as SILVER VERSION except the followings.)

Ref. No.	Part No.	Part Name & Descriptions
43	1130515121	PUSH KNOB (A)
44	1130636000	PUSH KNOB (B)
45	1441257026	FRONT PANEL ASS'Y
48	1441256027	ESC. PLATE
52	1130415271	PUSH KNOB (C)
55	1020183115	TOP COVER
58	1120415024	KNOB (A)
59	1120416023	KNOE (B)
109	4734454038	TAPPING SCREW 121 4×8
d.	5139111014	COLOR LABEL (BLACK)

# EXPLODED VIEW OF CHASSIS AND CABINET • PMA-757



Note: 1. See addendum list below for the parts with asterisk (\*) on the Ref. No. and the other parts not included in this list.
2. The list is prepared based on E2 Silver Version.
3. a Marked not included EXPLODED VIEW.
4. o Marked same as PMA-777E2.

#### EXPLODED VIEW OF PARTS LIST

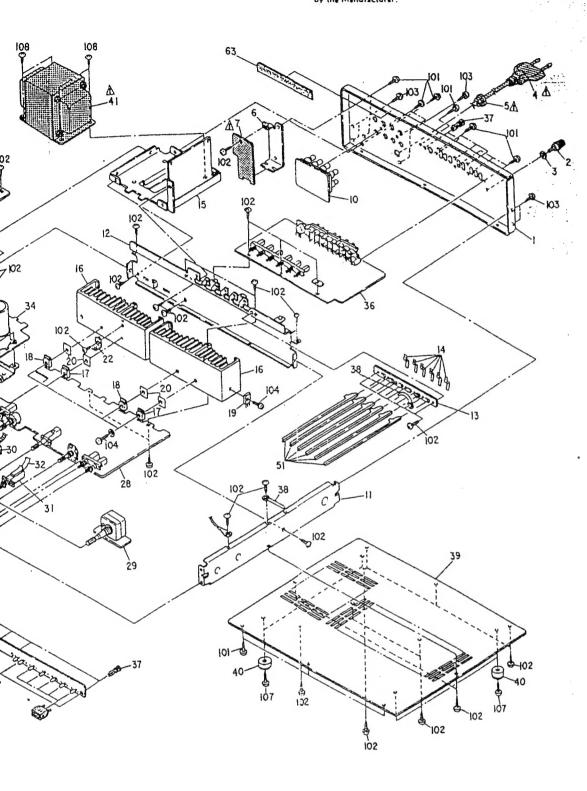
	tef. to.	Part No.	. Part Name & Descriptions
	*1	1050626310	BACK PANEL
٠	2	2050071016	TERMINAL ASS'Y
٠	3	4770018001	WASHER (P-87)
2		220 220 024 447	Attended to
ď	1.50	4450020006	(Saleta (Saleta)
þ	6	4410455005	PWB BRACKET
2	1.	ABIOTICAL.	AG STANDED FOR THE STANDARD OF
0	* 8	5130716023	FTZ LABEL
٠	* 9	5138253009	APPROVAL MARK
	110	ETC0740-82	SP TERMINAL UNIT
	11	4120733606	SIDE CHASSIS
6	12	4110375317	MAIN CHASSIS
0	13	4410378108	SHEET
٠	14	4630337000	SPRING
•	15	4110334206	TRANS CHASSIS ASS'Y
	16	4170156301	POWER RADIATOR
	-17	2730305002	TRANSISTOR 25C3284(0)/(Y)
	*18	2710184007	TRANSISTOR 2SA1303(0)/(Y)
	19	2740088018	TRANSISTOR 2SD1406(Y)/IGR)
	20	4150234007	INSULATING SHEET
	21	_	<del>-</del>
•	22	4410411104	PCB BRACKET
•	23	4110429302	FRONT CHASSIS
ă,	76	272 263027	FIRE SUMMER FOR DESTRICT
3	275	25 80030 K	CAPACIFICATION CONVACTOR
•	× 26	4450033005	WIRE CLAMP BAND USED 36
	.27	ETC0739-B4	HEADPHONE JACK UNIT

	lef. lo.	Part No.	Part Name & Descriptions
	*28	ETC0738-81	TONE & POWER UNIT
	*29	ETC0738-82	MAIN VR UNIT
0	30	2120222009	ROTARY REMOTE
٥	31	2124484005	1P-PUSH REMOTE
•	32	4350052005	FLEXIBLE SLIDER (MM, MC)
	33	_	-
	*34	ETC0740B	P.S & PROT. UNIT
	*35	ETC0739-82	SPEAKER SW UNIT
	.36	ETC0739-B1	INPUT & EQ. UNIT
٥	37	4770096007	PUSH RIVET
٠	38	EP-6214	CORD HOLDER USED 6
•	39	1050450609	BOTTOM COVER
•	40	1040110001	FOOT
1	de Asses	2335487008	POWERDIRANG
•	42	1140056007	FLEXIBLE RING
•	.43	1130515134	PUSH KNOB (A)
•	.44	1130450118	PUSH KNOB (B) ASS'Y
	*45	1441257013	FRONT PANEL ASS'Y
	46	1430297013	MINDOM,
0	47	1460556106	WINDOW PANEL
	*48	1441256014	ESC. PLATE
•	.49	ETC0739-85	LED UNIT
	*50	ETC0739-83	LAMP UNIT
۰	51	4121069007	CONNECTING BRACKET
	. 52	1130415218	PUSH KNOB (C)
	53	4630274011	SPRING
	54	1220039012	SPACER

Ref. No.	Part No.	Part Name & Descriptions
• '55 • 56 • 57 • '58 • '59 • 60 • 61 • 62 • 63 • 64 • 65 • 68 • 67 • 68	1020183100 1220069008 1040034006 1120415011 1120416010 4120952102 4610223024 1220069066	TOP COVER SPACER STOPPER KNO8 (A) KNO8 (B) CONDENSER BRACKET RUBBER SHEET - SPACER
• å. • b.	5040084007 5030456001	IES (not included EXPLODED VIEW SET COVER CUSHION
• c. • d. • e. f.	5111253107 5139111001 5138295009 5010916040	INST, MANUAL COLOR LABEL (GOLD) CONTROL CARD CARTON CASE
	1	

Ref.	Part No.	Part Name & Descriptions	a,tA
		SCREWS & NUT	
• • 101	4730354035	TAPPING SCREW (2) 3×8	22
• 102	4730354019	TAPPING SCREW (2) 3×8	33
• 103	4770064107	FIXING SCREW	6
104	4700012022	PAN SCREW WITH W. SPW 3x12	5
• 105	4711303018	PAN SCREW 3×6	12
106	-	_	1
• 107	4730804035	TAPPING SCREW (2) J×14	4
a 108	4700031016	TAPPING SCREW WITH TWB	4
		4×10	ļ
• 109	4734801005	TAPPING SCREW (TRUS) 4×8	4
110			1
111			
112			
			1
	1		
	i		
		1	
			1

Means important safety item, which must be replaced, when necessary, by a part specified or meeting the specification by the manufacturer.



	•
Part No.	Part Name & Descriptions
020183100 020069008 040034006 020415011 020416010 020952102 510223024 — 020069066	TOP COVER SPACER STOPPER KNOB (A) KNOB (B) CONDENSER BRACKET RUBBER SHEET - SPACER
k ACCESSOR	IES (not included EXPLODED VIEW
040084007 030456001 111253107 139111001 138295009 010916040	SET COVER CUSHION INST. MANUAL COLOR LABEL (GOLD) CONTROL CARD CARTON CASE

Ret. No.	Part No."	Part Name & Descriptions	G.t.		
		SCREWS & NUT			
• *101	4730354035	TAPPING SCREW (2) 3×8	22		
• 102	4730354019	TAPPING SCREW (2) 3×8	33		
• 103	4770064107	FIXING SCREW	6		
104	4700012022	PAN SCREW WITH W. SPW 3x12	5		
• 105	4711303018	PAN SCREW 3x6	12		
106	-	-	i		
• 107	4730804035	TAPPING SCREW (2) J×14	4		
• 108	4700031016	TAPPING SCREW WITH TWB	4		
100	7700001010	4×10			
• 109	4734801005	TAPPING SCREW (TRUS) 4×8	4		
110			1		
111	1	İ			
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#### ADDENDUM LIST

AUU	EMPOM CIST								
					Part Na.	EC for Conode EA for Asserable			
Mai, Ma.	Part Name & Descriptions	El lar		Cold Version	Block Version	Block Version	Gold Version		
		Geld Version	Black Version	1069001004	1069001004	1069016002	1060626310		
1	BACK PANEL	1069004001	1069004001	A12, 9 (12.5)		12012			
	e eggenerate lie			4410455005	4410455006	4410455005	4410455006 -		
. 6	PWB BRACKET			Control of the Control		esecution at	A CARLOTTE		
+6	FTZ LABEL	-	-	_	_	=	Ξ		
10	APPROVAL MARK SP TERMINAL UNIT	ETC0740-M2	ETC0740-M2	ETC0740-N2	ETC0740-N2	ETC0740-N2	ETC0740-P7		
17	TRANSISTOR	2740103003	2740103003	2740103003	2740103003 DSD1110(R)/(011	2740103003 (ZSD1110(R)/iOI)	2740103003 (25D1110(R1/(O))		
		17501111(H1/101) 2720074000	(25D1110(R)/(O)) 2720074000	(2501110(A)/(O)) 2720074000	2720074000	2720074000	2720074000		
18	TRANSISTOR	(268849(M1/10))	1258849(R1/(OI)	(258849(R)/(O))	(258849(R)/(O)) 4150234007	(258849(RI/(OI) 4150234007	(258849(R)/(O)) 4150234007		
20	INSULATIN SHEET	4150234007	4180234007	4150234007	2150234007		*2.44 5 *55		
	and the state of t			et e es est	ETC0739-N4	ETC0739-N4	£TC0739-P4		
27		ETC0739-M4	ETC0739-M4	ETC0738-NA	ETC0738-N	ETC0738-N	ETC0738-P		
28 29	MAIN VR UNIT	ET C0738-M2	ETC0736-MZ ETC0740-M	ETC0738-N2	ETC0736-N2 ETC0740-N	ETC0738-NZ ETC0740-N	ETC0740-P		
34		ETC0740-M	ETCC739-M2	€TC0739-N2	ETC0739-412	ETC0739-N2	ETC0739-F1		
36	INPUT & EQ. UNIT	ETC0739-M1	ETC0739-M1	ETC0739-N1	ETC0739-N1	ETC0739-N1	4770096007		
37		00773907400X	STATE OF THE PARTY	TOTAL STREET		1130515121	1120515134		
43	PUSH KNOB (A)	1130615134	1130615121	1130450118	1130616121	1130636000	1130450118		
46		1441257013	1441257039	1441257013	1441257039	1441257039	1441257013		
48	ESC, PLATE	1441256014 ETCC739-M6	1441256030 ETC0739-M6	1441256014 ETC0739-N5	1441256030 ETC0739-N5	ET C0739-N6	ETCO739-PS		
49		ETC0739-M3	ET C0739-MG	ETC0739-N3	ETC0739-N3	ETC0739-N3	ETC0739-P3		
57	PUSH KNOB (C)	1130415718	1130416721	1130415218	1130415221	1020183016	1020183100		
84	TOP COVER : with Wood Board without Wood Board	10201#3100			1.	1120415024	1120415011		
84	KHOB IAI	1120415011	1120415024	1120415011	1120415024	1120415024	1120416010		
54		-	-	-	-	-	-		
"									
10	TAPPING SCREW (2) 3×8	4730354035(21)	4730354035(21)		4730354035(24)	4730354035(24)	4730354035(22)		
10		4734801005(4)	4734454038(4)	4734801005(4)	4734454038(4)	4734454038(4)	4734801005(4)		
15	PAN SCREW WITH S.W JAB	4700042006(2)	4700042005(2)						
	BLACK	4756005008(2)	4756006008(2)						
15		4751006016(8)	-	1					
		4734460035(8)			1				
15	TAPPING SCREW (TRUS)	-					A753001051(5)		
15	TOOTH WASHER +3	_	_	_	_	_	205000310703		
15		_	-	-	- '	- '	4753100004181		
1 "									
227	o servicing en a remaindant			and the second	and the same of th	Carrie Section			
		200101-00							
	The second second second	The second secon	6130654069		-	_	· -		
•20		\$130664059 \$130664091	5130654091	_	_	_	-		
THE R	THE STATE OF THE S	2712013033	E-1 CAV180000	5139115010	5139115010	5139115010	-		
+20		_	-	5130607072	5130607022	5130607022	1 -		
2		4610066139	-	_	_		1		
+2		-	-	5138268009	5138266009	_	_		
	SERIAL NO. PLATE		_	4770126016	4770126018	-	-		
	TEVET	1011469006	-	-	-	_	-		
		1011470000	_	_	-	-	-		
1 2	16 WOOD BOARD (U) Wood Board	-			_	_			
2	16 FELT SHEET	1240032015	_	_					
+2	17 INDICATION SHEET	5130784000	-	-	-	_	-		
			, [ -	_	-	-	5130209006		
*2		_	-	-	-	_	5130210006 5130262006		
2	20 VOLTAGE LABEL	_	_	-	_	1 -	5130348006		
	21 BLIND SHEET 22 EARTH LABEL	_	-	-	-	=	5130140000		
1 2	CAUTION SHEET	_	-		1 -	5139101008	-		
	CAUTION LABEL	_	-	-	-	5138311006	-		
1									
}	. SET COVER with Wood Bos	d 5058092049	5040084007	5040084007	5040084007	5040084007	5040064007		
1	without Wood Boa	6 5040084007	5030456001	5030456001	5030456001	5030456001	5030456001		
	B CUSHION with Wood Box	d 5030456001	-335		_	1 -	5139111001		
	d COLOR LABEL (GOLD)	5139111001	_	5139111001	-	-	-		
	CONTREL CARD		50191040	5019104044	5019104028	5017915040	L		
	without Wood Bo						1		
					6,3011.01	5139111014	_		
	COLOR LABEL (BLACK)		5139111014	5153053106	5139111014 5159063103		\ \		
1	PROTECTOR SHEET	5040077056	-	-	-	-	/   -		
	SAFETY INSTRUCTION	-	_	5111041005	5111041005	-	-		
	k FAD	-	-	-	-	_	5020556018		
	CAUTION PAPER	_	_	_	-	-	-		
	m IMPORTANT LABEL	\$150290008	-	-	-	_	_		
- 1	WARRANTY IN ENVELOPE	-	_	-	_				
L	M(1,1000 p0#8								

EP1: with Wood Board, E1: without Wood Board

### BLACK VERSION PARTS LIST (Same as SILVER VERSION except the followings.)

Ref. Vo.	Part No.	Part Name & Descriptions
43	1130515121	PUSH KNOB (A)
44	1130636000	PUSH KNOB (B)
45	1441257039	FRONT PANEL ASS'Y
48	1441266030	ESC. PLATE
52	1130415221	PUSH KONB (C)
55	1020183113	TOP COVER
58	1120415024	KNOB (A)
59	1120416023	KNOB (B)
109	4734454038	TAPPING SCREW (2) 4×8
d.	5139111014	COLOR LABEL (BLACK)

		NNN																		
Part Name & Descriptions	ohm 22. IIAW CAREGONI(ER): com 15. IAW CAREGONI(NB) Cohm 22. IAW CAREGONI(RB)! Nohm 15. IW MERCL ONIDE		ABLE RABLE R	VARIABLE RESISTOR 50k ohm TREBLE VARIABLE RESISTOR 100k ohm BASS SEMI-IFXED RESISTOR 4.7k ohm IDLE SEMI-IFXED RESISTOR 100 ohm DISTORTION	ded Ceramic ±5%, ±10%, 50V Type)	.1µF ±5% 50V PLASTIC FILM	uF ±5% 50V PLASTIC F	0.0047µF ±5% 50V PLASHCFILM 1µF ±20% 50V ELECTROLYTIC	0.01μF ±5% 100V PLASTIC FILM	7pF ±0.25pF 500V CERAMIC 1F -20% 100V FLECTROLYTIC	1500 PLASTIC FILM	uF ±5% 50V PLASTIC	0.0012µF±5% 50V PLASTICFILM	±5% 50V PLASTIC	10µF ±20% 50V ELECTROLYTIC	ECT	100µF :20% 50V ELECTROLYTIC	1μF ±20% 50V ELECTROLYTIC	0.0015µF ±5% 50V PLASTIC F1LM	33pF ±5% 500V CERAMIC
Herry Part No.	20130255 20130255 20130355 20130355	9)10)1/332 33005/302 73001/332	008 00 40 00 00 00 00 00 00 00 00 00 00 00	VR203 2110309107 V VR204 2110309110 V VR301, 2116025087 SI 304 2116025016 SI	CAPACITORS (not include	C201, 2554193005 0	2554191007	2554161008	2554079048	2534266004 7	2544181001	2554187008	2554147006	2554183002	2543016067	2544181001	2544089022	2544146004	2554149004	(331) 2534482008 33

Part Name & Descriptions	0.01µF ±5% 50V PLASTIC FILM 0.1µF ±5% 100V PLASTIC FILM	SWITCHES	ROTARY SWITCH MODE 2P PUSH SWITCH LOUD, SUB. 1P PUSH SWITCH DIRECT	OTHER PARTS	P.W. BOARD  TEAMINAL PIN USED 40  JUMPER WIRE P= 10mm USED 60  1P CONNECTOR CORD  1P CONNECTOR  3P WIRE HOLDER USED 6  4P WIRE HOLDER USED 2  3x6 CPS USED 2  3x1 USED 2	
Part No.	2554169000		2120221000 2124511004 2124462001		2221090101 EP-5667H1 2090008120 2030230039 2050185038 2050185054 2050185054 4711303018 47711303018	
Ref.	C339 -342 C343 -346		SW201 SW202 SW203			